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CONFIDENTIAL

17 October 2017

Mr. James Curtis
Chief, Geologic and Waste Assessment Unit
Illinois Department of Transportation
Bureau of Design and Environment
2300 South Dirksen Parkway
Springfield, IL 62764

Work Order No.: 02056-015-017

Re: Final Preliminary Site Investigation Report
PSI of Potential Waste Site(s)

CDB Job No.: 630-036-008	PTB: 179-017/Weston10
District: 1	Work Order No.: 017
County: Will	BDE Sequence No.: 20690
Municipality: New Lenox	Requesting Agency: DOH-CI
Route: Not Listed	Contract No.: Not Listed
Marked: Not Listed	Section No.: Not Listed
Street: 1400 West Maple	ISGS PESA No.: 1628V2
From To/At: New Lenox Yard (136)	Anticipated Letting Date: TBD
	Target PSI Completion Date: 15 October 2017

Dear Mr. Curtis:

Please find attached a copy of the Final Preliminary Site Investigation (PSI). Illinois Department of Transportation comments dated 11 October 2017 have been addressed and incorporated into this version.

If you have any questions or require additional information, please call me at 224-864-7250.

Very truly yours,
Weston Solutions, Inc.

S. Babusukumar, P.G.
Program Manager

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CONFIDENTIAL

FINAL
PRELIMINARY SITE INVESTIGATION REPORT
NEW LENOX YARD (136)
1400 WEST MAPLE STREET
NEW LENOX, WILL COUNTY, ILLINOIS

AGREEMENT No. PTB 179-017
WESTON WORK ORDER No. 017
ISGS REPORT No. 1628V2
ANTICIPATED LETTING DATE: TBD
CDB JOB No. 630-036-008
CONTRACT No. N/A
BDE SEQUENCE No. 20690

Prepared for

ILLINOIS DEPARTMENT OF TRANSPORTATION
BUREAU OF DESIGN AND ENVIRONMENT
2300 South Dirksen Parkway
Springfield, Illinois 62764

Prepared by

WESTON SOLUTIONS, INC.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

October 2017

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PRELIMINARY SITE INVESTIGATION REPORT
NEW LENOX YARD (136)
1400 WEST MAPLE STREET
NEW LENOX, WILL COUNTY, ILLINOIS

Prepared for
ILLINOIS DEPARTMENT OF TRANSPORTATION
BUREAU OF DESIGN AND ENVIRONMENT
2300 South Dirksen Parkway
Springfield, Illinois 62764

October 2017

Andris J. Slesers
Task Order Manager

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Mundelein, Illinois 60060

WESTON Work Order No. 02056-015-017

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SECTION 1
INTRODUCTION

Weston Solutions, Inc. (WESTON®) has prepared this Preliminary Site Investigation (PSI) Report at the request of the Illinois Department of Transportation (IDOT), to investigate potential subsurface contamination at an Illinois Capital Development Board (CDB) project (Job No. 630-036-008). The project is located at the IDOT New Lenox Yard (136), located at 1400 West Maple Street, in New Lenox, Will County, Illinois as shown on Figure 1-1. This PSI was developed in accordance with guidelines stipulated by IDOT in the Prime Agreement for Consultant Engineering Services for Various Statewide Waste Assessments, Studies and Designs, Bureau of Design and Environment (Agreement No. PTB 179-017). This project was completed under Waste Assessment Work Order No. 017.

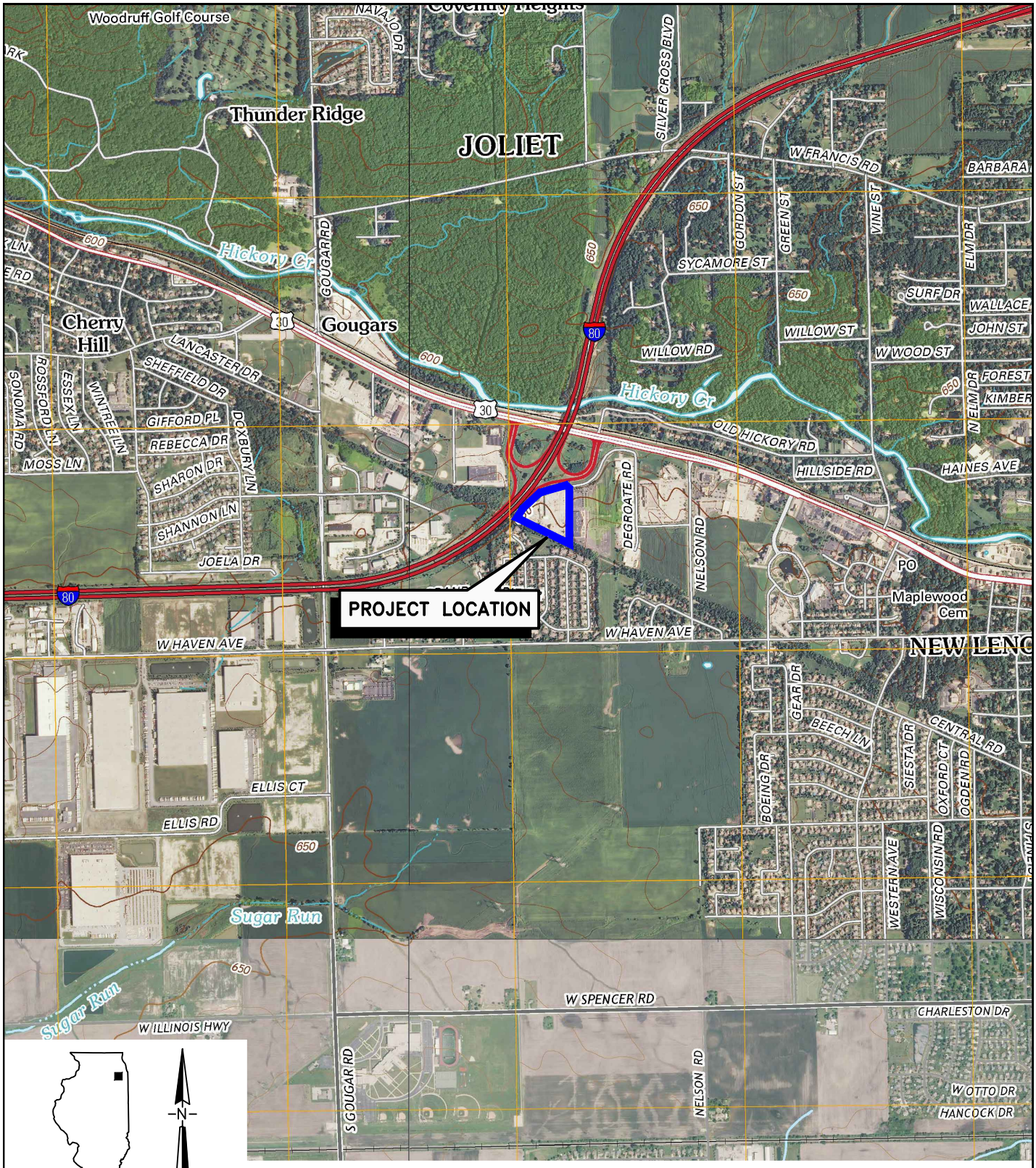
This PSI was undertaken to determine the presence and nature of subsurface contamination in specific areas of the subject property; and to evaluate the lateral and vertical extent of contamination within the proposed construction area that could prevent the timely completion of the CDB construction project. Specific objectives of the PSI include the following:

- Determine, to the degree possible pursuant to this scope of work, the nature and extent of subsurface contamination within the soil and/or groundwater of the project area. This determination specifically includes those areas in which subsurface excavation activities will be completed in support of construction activities.
- Develop an approach, including approximate volume estimates and associated cost estimates, for the proper handling and/or disposal of contaminated soil and groundwater that are likely to be encountered during the proposed construction activities within the project area.
- Assess the potential for the further or continued contamination of the subject property caused by the migration of contaminants from adjacent properties to within the project area.
- Assess the potential for the release of contaminants resulting from the proposed construction activities within the project area.
- Generate the data necessary to evaluate the potential for construction workers on-site to be exposed to contaminants.

- Prepare a preliminary site investigation report presenting the findings of the investigation, conclusions, and recommendations addressing all the above-referenced objectives.

Section 2 of this report presents a description of the project area and the proposed improvement project; and the findings of the preliminary environmental site assessment (PESA) and the revised Environmental Compliance Assessment (ECA). Section 3 presents a summary of field investigation activities, as well as a description of the field protocols and procedures followed during the completion of this PSI. Section 4 presents investigation results including field observations, site-specific geology and hydrogeology characteristics, and analytical results for soil samples collected. Section 4 also contains an evaluation of the nature and extent of potentially impacted soil, along with estimates of volumes and associated costs for any material that may require off-site management. Conclusions and recommendations are presented in Section 5.

Soil boring logs generated during this investigation are presented in Appendix A. Appendix B contains Illinois Environmental Protection Agency (IEPA) Form LPC-663, Uncontaminated Soil Certification, for soil that may be managed to a clean construction and demolition debris (CCDD) or an uncontaminated soil fill operation (USFO). Appendix B also includes a list of the closest CCDD and USFO disposal facility locations. Analytical data summary tables are presented in Appendix C. Raw laboratory analytical data reports are provided in Appendix D. Appendix E provides background information of the subject property.



SOURCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC MAPS.
MOKENA, ILLINOIS QUADRANGLE.

IDOT PROJECT NO. 10-17
CDB PROJECT NO. 630-036-008

FIGURE 1-1

WESTON SOLUTIONS®
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Mundelein, Illinois
60060

PROJECT LOCATION MAP
NEW LENOX YARD 136 – 1400 WEST MAPLE
ILLINOIS DEPARTMENT OF TRANSPORTATION
New Lenox, Will County, Illinois

SECTION 2
BACKGROUND INFORMATION

The IDOT-provided pertinent and relevant background data and information, which was used to develop and carry out the PSI scope of work, is detailed in the Work Plan for this project. This includes information describing proposed construction activities, and key findings of previous investigations. A brief project description, site background information, and site geologic and hydrogeologic conditions are provided below. Additional background information is contained in Appendix E.

2.1 PROJECT DESCRIPTION

The proposed construction at the New Lenox Yard includes excavation for the construction of new foundation spread footers, concrete slab, and utility connections for a proposed Salt Storage Building. Construction of spread footers is planned to require a 7.0 foot (ft) wide excavation to a depth of 8.0 ft below grade. Excavation for the concrete slab is planned to a depth of 1.0 ft below grade.

The proposed Salt Storage building will be located in the northeast portion of the site and will be approximately 80 ft by 150 ft in size. However, the exact location and orientation of the proposed structure has not been finalized; therefore, an area that is approximately 80 ft by 300 ft in size was investigated.

A brief description of the subject property, based on ISGS Report No. 1628V2 and the ECA for the subject property, is presented in the following subsection. A description of available geologic and hydrogeologic information follows thereafter. Detailed information from the ISGS PESA report is contained in Appendix B.

2.2 NEW LENOX YARD (136)

The following information is from PESA 1628V2:

> This parcel is located at 1350 W Maple Street in New Lenox and is occupied by an active IDOT maintenance facility. This site is occupied by two IDOT maintenance facilities: New Lenox Maintenance Facility (MF #136) and New Lenox Sign Shop facility (MF#124). This site consists of two large sheet-metal buildings and gravel parking lots used for equipment and material storage. A vehicle maintenance and

> storage area, a salt dome, and wash and fueling stations were observed. Also observed were two underground storage tanks (USTs) and two fuel dispensers located approximately 70 ft south of the centerline of DeGroate Road and 50 ft east of the eastern building. A large above ground storage tank (ASTs) containing brine was observed near the southeast corner of the eastern building. An additional AST with unknown contents was observed next to the brine AST. Eleven 55-gallon drums with unknown contents were observed near the southeast corner of the site. A propane AST was observed along the west side of the east building.

This site appears on the Office of State Fire Marshal (OSFM) UST list (OSFM No. 2012034) with four registered USTs. The following has been modified from PESA #2233V:

> According to OSFM UST records, one diesel UST and one gasoline UST were installed at the site in 1974 and removed in July 1995. The tanks were replaced with a 10,000-gallon diesel UST and a 5,000-gallon UST in November 1995.

This site appears on the Illinois Environmental Protection Agency, Bureau of Land (IEPA BOL) inventory (IEPA Nos. 19700705023 and 1970705009) and the United States Environmental Protection Agency, Resource Conservation and Recovery Act (USEPA RCRA) list (USEPA #ILD984891168 and #ILD982210296) under the name "IDOT New Lenox Headquarters," “ILDOT New Lenox Team Section,” or “IDOT New Lenox Sign Shop.” According to IEPA files, IDOT registered with the IEPA and USEPA in 1987 as a generator of less than 220 pounds/month of ignitable wastes and non-halogenated solvents including waste xylene, traffic paint, and other paint-related waste. According to IEPA files, IDOT registered with the IEPA and USEPA in 1992 as a generator of less than 220 pounds/month of spent non-halogenated solvents, corrosive wastes, and ignitable wastes. No further information was available in IEPA files concerning this site.

This site appears on the IEPA BOL list (IEPA No. 1970705114) under the name “IDOT.” According to IEPA files, IDOT registered with IEPA in 2011 as a waste tire generator.

In previous ISGS testing for PESA #689 in 1994, no volatile organic contaminants (VOCs) significantly above background levels were detected in the two boreholes completed at this parcel. In previous ISGS testing for PESA #1628 in 2006, no VOCs significantly above background levels were detected in the four boreholes advanced. Lead exceeded background levels in two of the four boreholes.

Road salt containing ferric ferrocyanide may currently or may previously have been used at this maintenance facility. Ferric ferrocyanide has the potential to break down into free cyanide under certain conditions.

The following information is from the Revised Environmental Compliance Audit Report:

The New Lenox Yard has been in operation since 1967. Current operations include liquid salt mixing, truck and equipment maintenance and storage, vehicle fueling, and storage of roadway and construction materials. Additionally, the facility handles and stores a variety of petroleum products including hydraulic oils, motor oils, bulk diesel fuel, gasoline, various automotive maintenance products, antifreeze, windshield solvent, paints, welding gases, propane, industrial and janitorial cleaning chemicals, cold asphalt patching material and associated products, calcium chloride, and road salt. Of the 10 truck bays in the main building, the two bays closest to the offices and the north end of the building are the mechanics bays, where vehicle repairs are conducted. The next bay south is the preventative maintenance bay where oil changes and automotive fluid filling takes place. The fourth bay down from the offices is the wash bay were vehicle cleaning takes place.

2.3 SITE GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

From PESA 1628V2:

> The uppermost bedrock unit in the project area is undifferentiated rocks of Silurian-age, which consists of limestone and dolomite. Surficial deposits are between 25 and 50 ft thick within the project area. The deposits consist of a thickness between 20 to 50 ft of the Wedron Group, underlain by Silurian and Devonian dolomite. Bedrock may be within 20 ft of the ground surface in the project area. The Wedron Group consists of silt and clay.
>
> The following soil along the project ROW has been classified by the Natural Resources Conservation Service (NRCS) as predominantly hydric: Ashkum silty clay loam, 0-2% slopes.
>
> Surficial drainage in the project area is generally toward the north, in the direction of the Hickory Creek. However, since the project area is urbanized and storm

drains and sewers are present, most surficial runoff will be controlled by the storm sewer system; such systems typically are designed to follow natural drainage patterns.

From Geotechnical Borings:

Geotechnical borings advanced at the New Lenox Yard in early August 2017, in support of this construction project, indicate the bedrock is shallower than indicated in the PESA. Based on these borings, bedrock is anticipated to be encountered at depths from 5.0 to 10 feet below grade.

SECTION 3
FIELD INVESTIGATION PROCEDURES

The field investigation for this project included the collection of soil samples within the subject property investigated. The work conducted for this investigation was completed in accordance with standard operating procedures (SOPs) for field investigations included in the IDOT-approved work plan for Work Order 017. Cabeno Environmental Field Services, LLC of New Lenox, Illinois, was contracted to provide drilling services for this project under the direct supervision of a WESTON field geologist. TestAmerica Laboratories, Inc., in University Park, Illinois (TestAmerica) performed sample analyses. Section 3.1 summarizes the procedures used for soil sampling.

3.1 SOIL SAMPLING PROCEDURES

A total of eight soil borings were advanced at the subject property. Below is a list of borings completed for the subject property:

- New Lenox Yard (ISGS Site No. 1628V2-23); eight borings (B-1 through B-8).

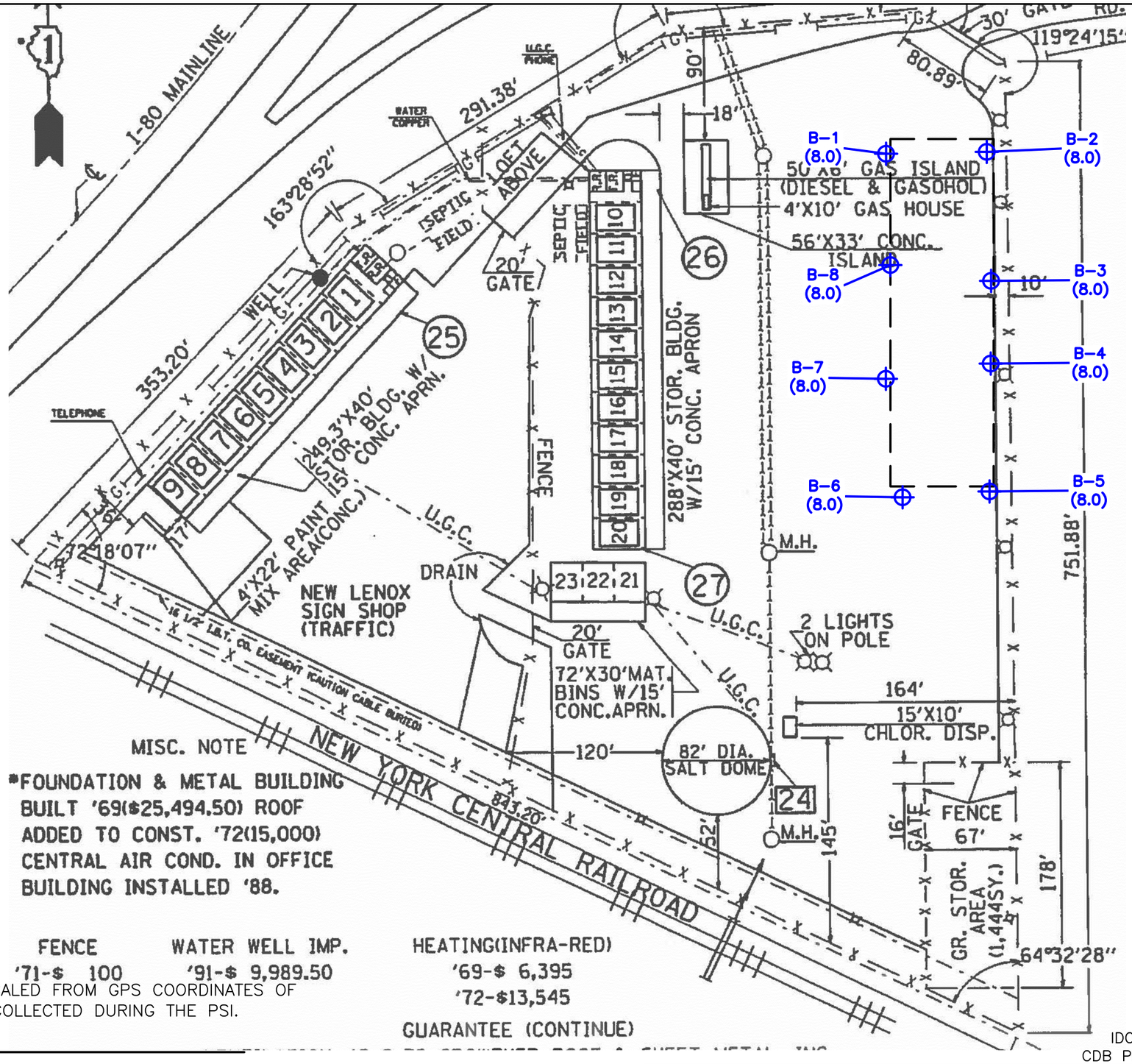
Soil boring locations are shown on Figure 3-1, and soil boring logs are provided in Appendix A.

Drilling was performed using a Geoprobe® equipped with a 1.75 inch (in) inside diameter (i.d.) sampler with a disposable plastic liner. The rationale used to determine the sampling frequency and the sample intervals was in accordance with the IDOT-approved scope of work. Field investigation protocols (e.g., drilling procedures, soil sampling procedures, subsurface characterization, and field screening protocols) were performed in accordance with the approved SOPs. After sampling, each soil boring was sealed with an asphalt patch to match the surrounding conditions.

Soil borings were continuously sampled and each soil core recovered was field screened with a photo-ionization detector (PID) equipped with a 10.6-eV lamp using headspace-screening procedures. Soil samples were collected from soil borings for analysis as described in the approved PSI Work Plan. The depth intervals selected for sample analysis and borehole spacing were based upon the anticipated maximum depth of

excavation and the proposed construction activity at the subject properties. Based on current and past land uses identified at the subject property, soil samples were analyzed for the following analyses: volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total metals, toxicity characteristic leaching procedure (TCLP) metals, synthetic precipitation leaching procedure (SPLP) metals, anions (chloride, fluoride, and sulfate), total cyanide, and pH. One composite soil sample, collected from soil borings B-1 and B-8, was analyzed for waste disposal parameters, which include: corrosivity, paint filter test, flashpoint, reactive cyanide, reactive sulfide, polychlorinated biphenyls (PCBs), TCLP VOCs, TCLP SVOCs, TCLP pesticides, TCLP herbicides, and TCLP metals. The disposal parameters sample was collected from boring B-1 and B-8, two of the deeper borings advanced for this project. This sample is representative of the conditions encountered in each of the eight soil borings advanced for this project; no obvious environmental impacts to soil were observed.

Two quality assurance/quality control (QA/QC) field duplicate soil samples were collected and analyzed for the same parameters as their respective investigative samples. Soil samples were maintained under chain of custody and appropriately preserved until delivery via courier to TestAmerica for analysis. A summary of the soil boring program and laboratory analyses performed, including QA/QC samples, is shown in Table 3-1.



MISC. NOTE

*FOUNDATION & METAL BUILDING BUILT '69($25,494.50) ROOF ADDED TO CONST. '72(15,000) CENTRAL AIR COND. IN OFFICE BUILDING INSTALLED '88.

FENCE	WATER WELL IMP.	HEATING(INFRA-RED)
'71-$ 100	'91-$ 9,989.50	'69-$ 6,395
		'72-$13,545
		GUARANTEE (CONTINUE)

NOTE:
THIS FIGURE HAS BEEN SCALED FROM GPS COORDINATES OF FIXED POINTS/LOCATIONS COLLECTED DURING THE PSI.

LEGEND

- ⊕ SOIL BORING LOCATION
- (5.0) MAXIMUM CONSTRUCTION DEPTH (IN FEET)
- — — APPROXIMATE SALT BUILDING CONSTRUCTION AREA

N

0 100'
SCALE

IDOT PROJECT NO. 10-17
CDB PROJECT NO. 630-036-008

FIGURE 3-1

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BORING LOCATION MAP
NEW LENOX YARD 136 – 1400 WEST MAPLE
ILLINOIS DEPARTMENT OF TRANSPORTATION
New Lenox, Will County, Illinois

Table 3-1
Summary of Sampling Program
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Boring Number	Boring Depth feet	Sample Type Soil	Sample Interval feet	QC Sample	Analytical Parameters							
					VOCs	SVOCs	Total Metals	Choride, Fluoride, Sulfate	Total Cyanide	SPLP/TCLP Metals	pH	Waste Disposal Parameters
IDOT - New Lenox Yard (136)												
B-1	7.0	X	0 - 4.0		X	X	X	X	X	X	X	
		X	4.0 - 7.0	DUP	X	X	X	X	X	X	X	
B-2	8.0	X	0 - 4.0	DUP	X	X	X	X	X	X	X	
		X	4.0 - 8.0		X	X	X	X	X	X	X	
B-3	6.0	X	0 - 4.0		X	X	X	X	X	X	X	
		X	4.0 - 6.0		X	X	X	X	X	X	X	
B-4	6.0	X	0 - 4.0		X	X	X	X	X	X	X	
		X	4.0 - 6.0		X	X	X	X	X	X	X	
B-5	5.0	X	0 - 5.0		X	X	X	X	X	X	X	
B-6	4.0	X	0 - 4.0		X	X	X	X	X	X	X	
B-7	3.0	X	0 - 3.0		X	X	X	X	X	X	X	
B-8	7.0	X	0 - 4.0		X	X	X	X	X	X	X	
		X	4.0 - 7.0		X	X	X	X	X	X	X	
DISPOSAL	---	X	See Note									X

DUP - QA/QC field duplicate sample collected.
X - Sample media or sample collected.
Waste Disposal Parameters include: corrosivity, paint filter test, flashpoint, reactive cyanide, reactive sulfide, polychlorinated biphenyls (PCBs), TCLP VOCs, TCLP SVOCs, TCLP pesticides, TCLP herbicides, and TCLP metals
The disposal sample was composited from the soil samples collected from borings B-1 and B-8.

SECTION 4
INVESTIGATION RESULTS

This section presents a discussion of the investigation results obtained from the PSI completed in support of the construction project at the New Lenox Yard (136), located at 1400 West Maple Street, in New Lenox, Will County, Illinois.

Section 4.1 presents the screening criteria used to evaluate the data. Field observations, including headspace-screening results and geologic and hydrogeologic information, are summarized in Section 4.2. This information is detailed on Table 4-1 and on the soil boring logs presented in Appendix A.

The discussion for the subject property begins with Section 4.3 and summarizes the soil sampling analytical results. Analytical results were reviewed and validated in accordance with applicable United States Environmental Protection Agency (USEPA) procedures. WESTON utilized Automated Data Review (ADR) software, version 8.0, to assist with the data validation.

Analytical data summary tables for all analyses performed are included in Appendix C. Raw laboratory analytical data reports are included in Appendix D. Appendix B includes IEPA Form LPC-663, Uncontaminated Soil Certification, for soil which may be managed to a CCDD/USFO.

4.1 REFERENCE CONCENTRATIONS

An evaluation of the nature and extent of the contaminants of concern, based on the results of the PSI, is also contained in the discussion. This includes a description and comparison of detected constituents to applicable environmental standards, used herein as reference concentrations. Soil analytical results were compared to the concentrations presented in the table titled: *Summary of Maximum Allowable Concentrations (MAC) of Chemical Constituents in Uncontaminated Soil Used as Fill Material at Regulated Fill Operations*, dated 27 August 2012. This table, referred to as the **MAC Table**, is incorporated under Title 35 of the Illinois Administrative Code (IAC), Part 1100, Subpart F.

Soil analytical results from TCLP and SPLP analyses were compared to the Soil Component of the Groundwater Ingestion Exposure Route Values, for Class I Groundwater, presented in Title 35, IAC, Part 742: Tiered Approach to Corrective Action Objectives (TACO), Appendix B, Table A: Tier 1 Soil Remediation Objectives (SROs) for Residential Properties.

A constituent in soil is considered to be a contaminant of concern if it exceeds the most-stringent value listed in the MAC Table. However, if the constituent may be evaluated by comparing soil sample extraction results (TCLP/SPLP), as indicated on the MAC Table, the constituent is considered a contaminant of concern if the total concentration exceeds the most-stringent MAC Table value and both the TCLP and SPLP concentrations exceed the TACO SRO for the Soil Component of the Groundwater Ingestion Exposure Route. Additionally, if only the TCLP and SPLP concentrations exceed the TACO SRO for the Soil Component of the Groundwater Ingestion Exposure Route for a given constituent, the constituent is considered a contaminant of concern.

Furthermore, based on direction from IDOT, soil is not considered suitable for management to a CCDD/USFO if headspace readings in the soil boring are above background levels. Background levels for headspace readings are considered to be less than 1.0 photoionization detector (PID) units.

Waste disposal parameters were compared to applicable reference concentrations presented in Title 35, IAC, Subpart C, Section 721: Characteristics of Hazardous Waste and 40 Code of Federal Regulations (40 CFR), Part 761.

Tables 4-2 and 4-3 present the soil analytical data for organic and inorganic constituents, respectively, and compare the detected constituents to reference concentrations. Table 4-4 provides a comparison of detected soil disposal parameter constituents to applicable hazardous waste reference concentrations. Figure 4-1 depicts the boring locations and the extent of potentially impacted soil that may impact proposed construction activities during this project. As the MAC Table includes provisions to evaluate select constituents against background values, Figure 4-1 identifies soil that is considered to be non-special waste and soil that may be managed to a CCDD/USFO.

4.2 FIELD OBSERVATIONS

Headspace measurements using a PID were collected from each sample interval. Table 4-1 presents the headspace field screening data for each soil boring, along with the construction excavation depths and sample collection depth. Headspace screening data are also shown on the boring logs presented in Appendix A. Headspace readings measured for this project were indicative of background levels.

Geology and Hydrogeology

Detailed field observations and geological descriptions were recorded by a WESTON field geologist during the PSI and are included on the boring logs provided in Appendix A. Subsurface materials encountered in borings advanced adjacent to the subject property generally include and asphalt surface over predominantly clay to sandy clay, with varying amounts of gravel. Weathered bedrock was encountered in each of the soil borings advanced, and competent bedrock was encountered at depths ranging from 3.0 to 7.0 ft below ground surface (bgs). Boring B-2 was advanced to 8.0 ft bgs without encountering competent bedrock. Saturated conditions were not encountered in any of the borings advanced for this project.

4.3 NEW LENOX YARD (136)

Soil borings B-1 through B-8, shown on Figure 4-1, were advanced at the New Lenox Yard. Up to two investigative soil samples per boring were collected from within the maximum proposed depth of excavation of 8.0 ft bgs. Several borings encountered bedrock at shallow depths (3.0 to 5.0 ft bgs), and only one soil sample was collected from these borings. Saturated conditions were not encountered at this property.

4.3.1 Analytical Results

Soil Analytical Results

The investigative soil samples and two duplicate soil samples collected at the New Lenox Yard were analyzed for VOCs, SVOCs, total inorganics, TCLP metals, SPLP metals, anions (chloride, fluoride, and sulfate), and pH. Analytical data summary tables showing detected constituents analyzed and their corresponding results are presented in Tables

4-2 and 4-3. Constituents detected in the soil borings advanced at this property include SVOCs, inorganics, and anions, as listed below.

- A total of up to 14 SVOCs were detected in the soil samples collected at the subject property.
- A total of up to 21 total inorganics were detected in the soil samples collected at the subject property.
- A total of up to six TCLP metals were detected in the soil samples collected at the subject property.
- A total of up to 13 SPLP metals were detected in the soil samples collected at the subject property.
- A total of up to three anions were detected in the soil samples collected at the subject property.
- The pH values were measured from 5.9 to 9.4 standard units (s.u.) in the soil samples collected at the subject property.

Groundwater Analytical Results

Saturated conditions were not encountered at this property and a groundwater evaluation was not conducted.

Waste Disposal Parameter Results

Table 4-4 includes a summary of the detected constituents from a composite sample collected from soil borings B-1 and B-8, and analyzed for waste parameters. TCLP barium, TCLP cadmium, and reactive cyanide were detected above detection limits. Flashpoint and paint filter tests were negative, and the pH level was 8.0 s.u. Total PCBs, TCLP VOCs, TCLP SVOCs, TCLP pesticides, and TCLP herbicides were not detected. None of the detected constituents exceeded regulatory limits for hazardous waste.

4.3.2 Nature and Extent of Contaminants of Concern

WESTON evaluated the soil analytical data to determine whether any reference concentrations were exceeded at the New Lenox Yard. Soil with constituents exceeding applicable environmental regulations was classified as being potentially impacted. Depending upon the contaminants of concern, management of potentially impacted soil

on-site, off-site to a CCDD/USFO, or off-site as a non-special waste is considered for soil that will be generated during construction activities. Costs for off-site CCDD/USFO management and non-special waste management and disposal have been included as appropriate. A discussion of the criteria used in this analysis is contained in the following paragraphs.

4.3.2.1 Soil

An evaluation of the analytical results from the soil samples collected at the subject property indicates the presence of organic and inorganic constituents. As shown on Tables 4-2 and 4-3, the following constituents were detected at levels exceeding their respective reference concentrations: chloride, total arsenic, total chromium, total iron, TCLP manganese, SPLP arsenic, SPLP beryllium, SPLP chromium, SPLP iron, SPLP lead, SPLP manganese, SPLP nickel, and pH.

Chloride was detected at levels exceeding its reference concentration in the soil samples collected from borings B-1, B-6, and B-7. Based on the exceedances of chloride in borings B-1, B-6, and B-7, chloride is considered a contaminant of concern and soil is considered potentially impacted with chloride in the vicinity of borings B-1, B-6, and B-7.

In order for a metal to be considered a contaminant of concern, the total, TCLP, and SPLP results, or the TCLP and SPLP results, with the exception of arsenic, magnesium, and vanadium, must be found to exceed their reference concentrations in a given sample. At the New Lenox Yard, one of these conditions was met for manganese. Also, arsenic was detected above its reference concentration. The remaining metals data indicate that only one or two of the detected parameters (of the total, TCLP, and/or SPLP results), in a given sample, resulted in an exceedance; therefore, beryllium, chromium, iron, lead, and nickel are not considered contaminants of concern.

Total arsenic was detected at levels exceeding its reference concentration in soil samples collected from boring B-1, from the 4.0 to 7.0 ft bgs depth interval; B-2; B-3, from the 0 to 4.0 ft bgs depth interval; B-4, from the 4.0 to 6.0 ft bgs depth interval; B-5; and B-7. Based on this data, arsenic is considered a contaminant of concern and soil is considered potentially impacted with arsenic in the vicinity of borings B-1 through B-5 and B-7.

However, the concentrations of arsenic detected in borings B-2 through B-5 did not exceed the reference concentration for MSA Counties.

TCLP and SPLP manganese were detected at levels exceeding their reference concentration in soil samples collected from borings B-2, from the 0 to 4.0 ft bgs depth interval; B-3, from the 4.0 to 6.0 ft bgs depth interval; B-4, from the 0 to 4.0 ft bgs depth interval; and B-5. Based on these data, manganese is considered a contaminant of concern and soil is considered potentially impacted with manganese in the vicinity of borings B-2 through B-5.

The pH levels measured in the investigative and duplicate soil samples collected from soil boring B-2, from the 0 to 4.0 ft bgs depth interval, are 5.9 and 6.1 s.u., respectively. The pH level measured in the soil sample collected from boring B-5 is 9.4 s.u. These values are outside of the allowable limits, as presented in the MAC Table, for material in the vicinity of borings B-2 and B-5 to be considered for disposal to a CCDD/USFO.

IDOT Construction Activities within Impacted Soil Areas

Proposed IDOT construction activities at the New Lenox Yard include excavation for new foundation spread footers, concrete slab, and utility connections for a proposed Salt Storage Building. Soil borings advanced as part of this investigation identified competent bedrock at depths ranging from about 2.5 to greater than 8.0 ft bgs. The geotechnical boring investigation found bedrock at depths from 5.0 to 10 ft bgs. As the exact location of the Salt Storage Building has not been finalized a conservatively high depth of excavation of 7.0 ft for spread footings has been assumed in estimating volumes of impacted soil.

The following estimated volume of impacted soil was calculated for potentially impacted soil, which, if managed to an off-site location, cannot be disposed to a CCDD/USFO:

- Excavation in the vicinity of borings B-1 and B-7 – These excavation areas are shown with orange shading on Figure 4-1. Based on the dimensions presented on Table 4-5, the volume of soil to be excavated is approximately 656 cubic yards (yd^3).

- Excavation in the vicinity of borings B-2, B-5, and B-6 – These excavation areas are shown with blue shading on Figure 4-1. Based on the dimensions presented on Table 4-5, the volume of soil to be excavated is approximately 819 yd^3.

The following estimated volume of impacted soil was calculated for potentially impacted soil, which may be managed on-site or to a CCDD/USFO:

- Excavation in the vicinity of borings B-3 and B-4 – This excavation area is shown within a blue outline on Figure 4-1. Based on the dimensions presented on Table 4-5, the volume of soil be be excavated is approximately 661 yd^3.

Based on the information above, an estimated total of 1,476 yd^3 of impacted soil may be excavated and managed as a non-special waste in the vicinity of borings B-1, B-2, B-5, B-6, and B-7. An estimated 661 yd^3 of soil, in the vicinity of borings B-3 and B-4, may be managed on-site, or to a CCDD/USFO, during construction activities at the New Lenox Yard. The estimated construction management cost for this material is approximately $153,000.00, which includes a lump sum total for environmental oversight and disposal analysis. A breakdown of the estimated cost is presented in Table 4-6.

Comparison of Soil Concentrations with Construction Worker Reference Concentrations

Tables 4-2 and 4-3 contain a comparison of detected constituents to the most conservative of the TACO Tier 1 Construction Worker ingestion or inhalation values. No constituents were detected at the subject property at levels exceeding their TACO Tier 1 remediation objectives for the Construction Worker exposure route.

Management of Excavated Soil

Based upon the concentrations of arsenic and chloride in borings B-1 and B-7 within the maximum excavation depth, indicates that the soil/waste in the vicinity of these borings should be managed as a “non-special waste” providing that a “non-special waste certification” is submitted by the generator according to the conditions in 415 ILCS 5/22.48 and 415 ILCS 5/3.475. The property history and available analytical data indicate a “non-special waste certification” can be applied to soil anticipated to be excavated adjacent to and within this property during construction activities.

Based upon the concentrations of arsenic, manganese, and/or chloride in borings B-2, B-5, and B-6, and pH levels less than 6.25 s.u. in B-2 and greater than 9.0 s.u. in B-5, within the maximum excavation depth, indicates that the soil/waste in the vicinity of these borings may be managed on-site. In the event this soil/waste cannot be managed on-site, it should be managed as a non-special waste, as described above.

Based upon the concentrations of arsenic and manganese in borings B-3 and B-4, within the maximum excavation depth, indicates that the soil/waste in the vicinity of these borings may be managed on-site or to a CCDD/USFO within a MSA County. In the event that the soil/waste cannot be managed on-site or to a CCDD/USFO within a MSA County, the soil/waste should be managed as a non-special waste, as described above.

The soil in the vicinity of boring B-8 is considered to be uncontaminated and its use is considered unrestricted. This soil may also be managed to a CCDD/USFO. However, these conclusions are based on limited data points and any soil excavated in non-restricted areas which exhibits visual and/or olfactory evidence of contamination should be tested and appropriate management options evaluated.

An Uncontaminated Soil Certificate form is included in Appendix B for this property for soil in the vicinity of borings B-3, B-4, and B-8. Appendix B also includes Figure B-1 which shows and lists CCDD and USFO locations within approximately 16 miles of the subject property and capable of accepting soil/waste generated from this project.

4.3.2.2 Groundwater

Saturated conditions were not encountered in the soil borings advanced at the subject property. Therefore, groundwater is not anticipated to be encountered during construction activities and an evaluation of analytical results was not completed at this property.

4.4 SOIL MANAGEMENT AREAS AND APPLICABLE SPECIAL PROVISION REGULATIONS

The following presents the areas shown on Figure 4-1 where IDOT special provisions are applicable. All North-South dimensions are measured from the post located at the

intersection of the eastern fence and front gate fence post (gate post). Offset measurements are measured from the eastern fence.

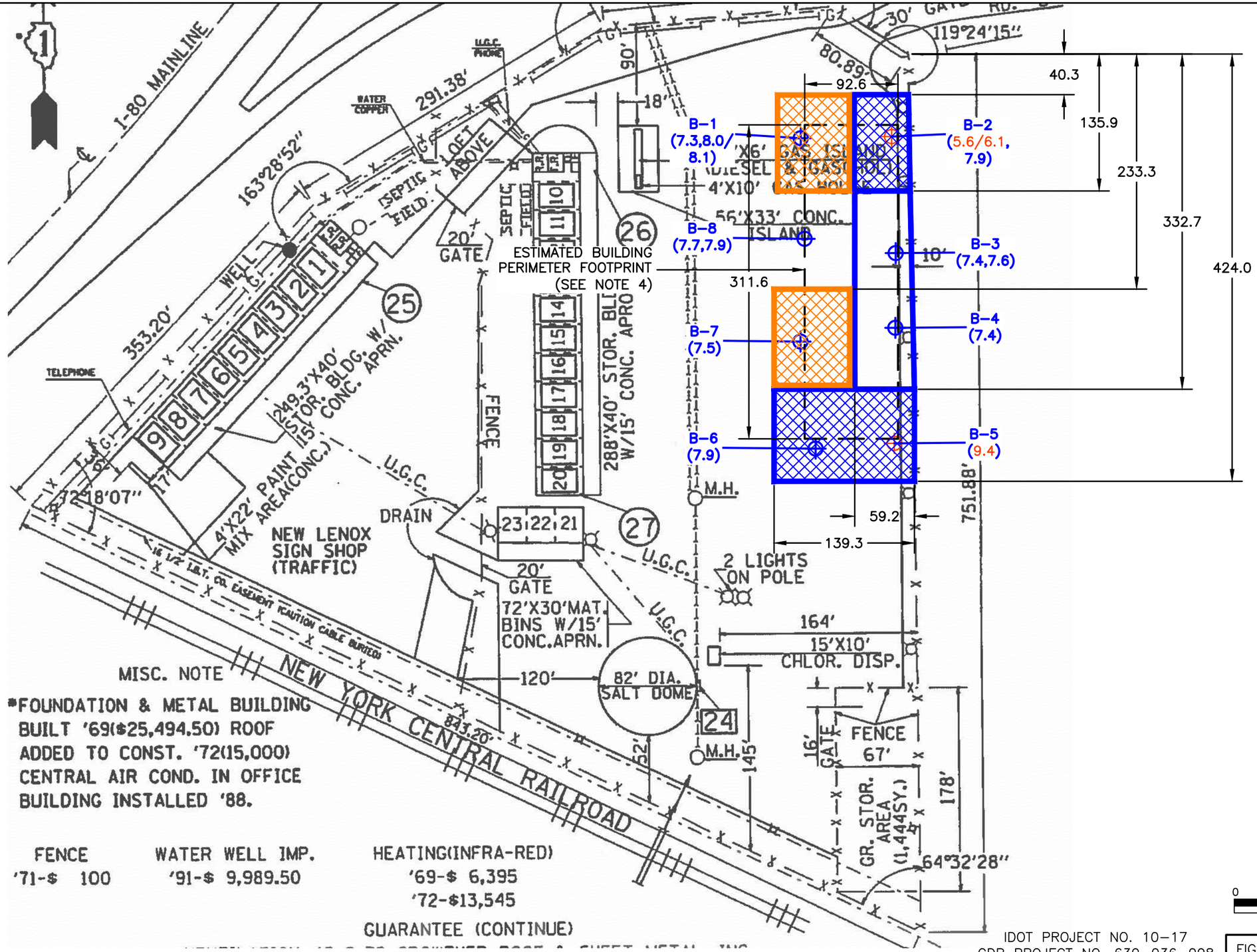
From 40 to 136 ft south of the gate post, and from 59 to 140 ft west of the eastern fence, adjacent to boring B-1, (New Lenox Yard [136] 1400 West Maple Avenue, New Lenox, Will County, Illinois) – This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern (COC): chloride, arsenic, and manganese.

From 233 to 333 ft south of the gate post, and from 59 to 140 ft west of the eastern fence, adjacent to boring B-7, (New Lenox Yard [136] 1400 West Maple Avenue, New Lenox, Will County, Illinois) – This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern (COC): chloride, arsenic, and manganese.

From 40 to 136 ft south of the gate post, and from 0 to 59 ft west of the eastern fence, adjacent to boring B-2, (New Lenox Yard [136] 1400 West Maple Avenue, New Lenox, Will County, Illinois) – This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern (COC): Chloride, arsenic, and manganese.

From 333 to 424 ft south of the gate post, and from 0 to 140 ft west of the eastern fence, adjacent to borings B-5 and B-6, (New Lenox Yard [136] 1400 West Maple Avenue, New Lenox, Will County, Illinois) – This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern (COC): Chloride, arsenic, and manganese.

From 136 to 333 ft south of the gate post, and from 0 to 59 ft west of the eastern fence, adjacent to borings B-3 and B-4, (New Lenox Yard [136] 1400 West Maple Avenue, New Lenox, Will County, Illinois) – This material meets the criteria of Article 669.09(a)(2) and shall be managed in accordance to Article 669.09. Contaminants of concern (COC): arsenic and manganese.



MISC. NOTE

*FOUNDATION & METAL BUILDING BUILT '69($25,494.50) ROOF ADDED TO CONST. '72(15,000) CENTRAL AIR COND. IN OFFICE BUILDING INSTALLED '88.

FENCE	WATER WELL IMP.	HEATING(INFRA-RED)
'71-$ 100	'91-$ 9,989.50	'69-$ 6,395
		'72-$13,545

GUARANTEE (CONTINUE)

NOTE:
THIS FIGURE HAS BEEN SCALED FROM GPS COORDINATES OF FIXED POINTS/LOCATIONS COLLECTED DURING THE PSI.

LEGEND, NOTES AND DATA ARE PRESENTED ON FIGURE 4–1a.

IDOT PROJECT NO. 10–17
CDB PROJECT NO. 630–036–008

FIGURE 4–1

WESTON SOLUTIONS
300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

EXTENT OF POTENTIALLY IMPACTED SOIL
NEW LENOX YARD 136 – 1400 WEST MAPLE
ILLINOIS DEPARTMENT OF TRANSPORTATION
New Lenox, Will County, Illinois

Field Sample ID	B-1(0-4)083117	B-1(4-7)083117	B-1(4-7)083117D	B-2(0-4)083117	B-2(0-4)083117D	B-2(4-8)083117	B-3(0-4)083117	B-3(4-6)083117	B-4(0-4)083117	B-4(4-6)083117	B-5(0-5)083117	B-6(0-4)083117	B-7(0-3)083117	B-8(0-4)083117	B-8(4-7)083117	Soil Reference Concentrations	Soil Remediation Objectives for Construction Workers
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017		
Location ID	B-1	B-1	B-1	B-2	B-2	B-2	B-3	B-3	B-4	B-4	B-5	B-6	B-7	B-8	B-8		
Depth	0 - 4	4 - 7	4 - 7	0 - 4	0 - 4	4 - 8	0 - 4	4 - 6	0 - 4	4 - 6	0 - 5	0 - 4	0 - 3	0 - 4	4 - 7		
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136		
Parameter																	
Laboratory pH (s.u.)	7.3	8.0	8.1	5.9	6.1	7.9	7.4	7.6	7.5	7.4	9.4	7.9	7.5	7.7	7.9	<6.25; >9.0	---
VOCs	**NONE DETECTED**																
SVOCs																	
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.4 J	ND	ND	570000	1.20E+08
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.1 J	ND	ND	---	---
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14 J	ND	ND	1.20E+07	6.10E+08
Benzo(a)anthracene	8.5 J	ND	9.7 J	ND	ND	ND	ND	ND	ND	ND	ND	13 J	32 J	12 J	10 J	900 / 1100 / 1800	170000
Benzo(a)pyrene	16 J	11 J	13 J	ND	ND	ND	ND	ND	ND	ND	ND	22 J	27 J	15 J	11 J	90 / 1300 / 2100	17000
Benzo(b)fluoranthene	15 J	12 J	17 J	ND	ND	ND	ND	ND	ND	ND	ND	30 J	45	17 J	12 J	900 / 1500 / 2100	170000
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16 J	15 J	ND	ND	---	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16 J	ND	ND	9000	1700000
Chrysene	ND	ND	15 J	ND	ND	ND	ND	ND	ND	ND	ND	14 J	32 J	12 J	9.4 J	88000	1.70E+07
Fluoranthene	ND	12 J	19 J	ND	ND	ND	ND	ND	ND	ND	ND	15 J	76	19 J	15 J	3100000	8.20E+07
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7 J	ND	ND	560000	8.20E+07
Indeno(1,2,3-cd)pyrene	12 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14 J	17 J	10 J	ND	900 / 900 / 1600	170000
Phenanthrene	ND	8.4 J	11 J	ND	ND	ND	ND	ND	ND	ND	ND	6.4 J	65	13 J	11 J	---	---
Pyrene	9.3 J	15 J	21 J	ND	ND	ND	ND	ND	ND	ND	ND	17 J	68	21 J	18 J	2300000	6.10E+07
Total Anions (mg/kg)																	
Chloride	16000	3400	8800	2300	1700	760	1900	1300	2300	3000	14	7000	6400	2200	1400	4000	---
Total Inorganics (mg/kg)																	
Arsenic, Total	9.6	17	14	9.9 J-	13	13	13	11	9.1	12	12	11	14	9.4	3.5	11.3 / 13.0	61
Beryllium, Total	0.93	0.34	0.28	0.78 J-	0.84	0.39	0.63	0.67	0.77	0.52	0.56	0.25	0.49	0.41	0.15 J	22	410
Chromium, Total	23	6.1	5.4	19	21	8.1	16	15	19	12	13	5.3	12	9.6	3.4	21	690
Iron, Total	27000 B	28000 B	23000 B	24000 J	28000 B	22000 B	25000 B	23000 B	23000 B	21000 B	21000 B	15000 B	23000 B	15000 B	7900 B	15000 / 15900	---
Lead, Total	21	20	17	19	22	12	17	17	16	16	17	17	30	12	3.4	107	700
Manganese, Total	470 B	370 B	460 B	420 J-	440 B	420 B	530 B	400 B	410 B	500 B	380 B	450 B	510 B	400 B	280 B	630 / 636	4100
Nickel, Total	45 B	16 B	12 B	39 B	36 B	20 B	33 B	33 B	39 B	30 B	32 B	14 B	28 B	20 B	7.3 B	100	4100
TCLP Metals (mg/kg)																	
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05	---
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004	---
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1	---
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	---
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0075	---
Manganese, TCLP	5.6	3.1 J	1.7 J	0.16 J	1.4 J	0.43	0.035	0.71	0.29	1.1	0.58	3	9.9	1.4	3.7	0.15	---
Nickel, TCLP	0.032	0.015 J	0.011 J	ND	ND	ND	ND	ND	ND	ND	ND	0.023 J	0.033	ND	0.02 J	0.1	---
SPLP Metals (mg/kg)																	
Arsenic, SPLP	ND	ND	ND	ND	0.077	ND	0.078	0.023 J	0.095	ND	0.032 J	ND	ND	ND	ND	0.05	---
Beryllium, SPLP	ND	ND	ND	ND	0.0076	ND	0.0057	ND	0.0079	ND	ND	ND	ND	ND	ND	0.004	---
Chromium, SPLP	ND	ND	ND	0.015 J	0.15 J	ND	0.13	0.05	0.16	ND	0.063	ND	ND	ND	ND	0.1	---
Iron, SPLP	2	3.8 J	2.1 J	15 J	210 J	0.41	180	62	210	5.3	80	1.9	5.5	0.56	ND	5	---
Lead, SPLP	ND	ND	ND	ND	0.11	ND	0.08	0.03	0.097	ND	0.045	ND	ND	ND	ND	0.0075	---
Manganese, SPLP	0.023 J	0.031	0.017 J	0.089 J	1.5 J	ND	1.4	0.42	1.1	0.033	0.53	0.014 J	0.15	ND	ND	0.15	---
Nickel, SPLP	ND	ND	ND	0.016 J	0.26 J	ND	0.19	0.092	0.27	ND	0.089	ND	ND	ND	ND	0.1	---

LEGEND

— — — APPROXIMATE SALT BUILDING CONSTRUCTION AREA

SOIL BORING LOCATION

SOIL BORING LOCATION WITH pH VALUE <6.25 OR >9.0 S.U. AND NOT ACCEPTABLE FOR DISPOSAL TO A CCDD/USFO.

(X.XX/X.XX) SOIL SAMPLE pH VALUES. A / REPRESENTS A SOIL SAMPLE AND DUPLICATE SOIL SAMPLE pH VALUES. RED IF pH VALUE IS <6.25 OR >9.0 S.U.

APPROXIMATE AREA ESTIMATED TO EXCEED SOIL REFERENCE CONCENTRATIONS. MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDD/USFO WITHIN A MSA COUNTY.

APPROXIMATE AREA ESTIMATED TO EXCEED SOIL REFERENCE CONCENTRATIONS. MATERIAL MAY BE MANAGED ON-SITE OR AS A NON-SPECIAL WASTE.

APPROXIMATE AREA ESTIMATED TO EXCEED SOIL REFERENCE CONCENTRATIONS. MATERIAL SHOULD BE MANAGED AS A NON-SPECIAL WASTE.

NOTES:

1. INORGANIC SOIL REFERENCE CONCENTRATIONS (RC) INCLUDE THE MOST STRINGENT VALUES FROM THE MAC TABLE OR APPLICABLE TACO VALUES. THE SECOND RC, AS APPLICABLE, IS THE MSA COUNTY VALUE FROM THE MAC TABLE.
2. ONLY PARAMETERS WITH EXCEEDANCES ARE PRESENTED ON THIS FIGURE: SEE TABLES 4-2, 4-3, AND APPENDIX C FOR ALL DATA.
3. YELLOW IN THE TABLE INDICATES CONCENTRATION EXCEEDS THE REFERENCE CONCENTRATIONS FOR SOIL.
4. THE BUILDING PERIMETER FOOTPRINT IS AN ESTIMATE USED TO REPRESENT THE LOCATION AND EXTENT OF SPREAD FOOTINGS SHOWN ON TABLE 4-5. THIS ESTIMATED PERIMETER MAY CHANGE WHEN BUILDING LOCATION AND FOUNDATION PLANS ARE FINALIZED.

IDOT PROJECT NO. 10-17
CDB PROJECT NO. 630-036-008

FIGURE 4-1a

WESTON SOLUTIONS®
300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

INVESTIGATION RESULTS
NEW LENOX YARD 136 – 1400 WEST MAPLE
ILLINOIS DEPARTMENT OF TRANSPORTATION
New Lenox, Will County, Illinois

Table 4-1
Field Observations and Sampling Rationale
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Site	Boring Location [1]	Boring Depth	Construction Activity/Property Acquisition	Maximum Depth of Construction	Headspace Screening Range	Max. Headspace Depth	Soil Sample Depth [2]	Comments
		feet		feet	PID units	feet	feet	
IDOT - New Lenox Yard (136) See Figure 3-1								
B-1	Northwest corner of potential Salt Storage Building area.	7.0	Excavation for shallow spread footings for proposed future additions.	8.0	BG	na	0 - 4.0 4.0 - 7.0	Refusal on competent bedrock encountered at 7.0 ft bgs
B-2	Northeast corner of potential Salt Storage Building area.	8.0	Excavation for shallow spread footings for proposed future additions.	8.0	BG	na	0 - 4.0 4.0 - 8.0	
B-3	Eastern side of potential Salt Storage Building area.	6.0	Excavation for shallow spread footings.	8.0	BG	na	0 - 4.0 4.0 - 6.0	Refusal on competent bedrock encountered at 6.0 ft bgs
B-4	Eastern side of potential Salt Storage Building area.	6.0	Excavation for shallow spread footings.	8.0	BG	na	0 - 4.0 4.0 - 6.0	Refusal on competent bedrock encountered at 6.0 ft bgs
B-5	Southeast corner of potential Salt Storage Building area.	5.0	Excavation for shallow spread footings.	8.0	BG	na	0 - 5.0	Refusal on competent bedrock encountered at 5.0 ft bgs
B-6	Southwest corner of potential Salt Storage Building area.	4.0	Excavation for shallow spread footings.	8.0	BG	na	0 - 4.0	Refusal on competent bedrock encountered at 4.0 ft bgs
B-7	Western side of potential Salt Storage Building area.	3.0	Excavation for shallow spread footings.	8.0	BG	na	0 - 3.0	Refusal on competent bedrock encountered at 3.0 ft bgs
B-8	Western side of potential Salt Storage Building area.	7.0	Excavation for shallow spread footings.	8.0	BG	na	0 - 4.0 4.0 - 7.0	Refusal on competent bedrock encountered at 7.0 ft bgs

Notes:

[1] - Locations referenced to the potential area for the proposed Salt Storage Building. See also Figure 3-1 for boring locations.

[2] - Sampling intervals are based on the soil sampling analyses approach discussed in section 3.2.1 of the Revised Work Plan for this PSI dated August 2017.

BG - Headspace readings indicative of background levels. Background levels are headspace readings of less than 1.0 parts per million (ppm).

na - not applicable

Table 4-2
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results - Organics
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-1(0-4)083117	B-1(4-7)083117	B-1(4-7)083117D	B-2(0-4)083117	B-2(0-4)083117D	B-2(4-8)083117	Soil Reference Concentrations[A]	Soil Remediation Objectives for Construction Workers[B]
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017		
Location ID	B-1	B-1	B-1	B-2	B-2	B-2		
Depth	0 - 4	4 - 7	4 - 7	0 - 4	0 - 4	4 - 8		
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136		
Parameter								
VOCs	**None Detected**							
SVOCs (ug/kg)								
Acenaphthene	ND	ND	ND	ND	ND	ND	570000	1.20E+08
Acenaphthylene	ND	ND	ND	ND	ND	ND	---	---
Anthracene	ND	ND	ND	ND	ND	ND	1.20E+07	6.10E+08
Benzo(a)anthracene	8.5 J	ND	9.7 J	ND	ND	ND	900 / 1100 / 1800	170000
Benzo(a)pyrene	16 J	11 J	13 J	ND	ND	ND	90 / 1300 / 2100	17000
Benzo(b)fluoranthene	15 J	12 J	17 J	ND	ND	ND	900 / 1500 / 2100	170000
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	---	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	9000	1700000
Chrysene	ND	ND	15 J	ND	ND	ND	88000	1.70E+07
Fluoranthene	ND	12 J	19 J	ND	ND	ND	3100000	8.20E+07
Fluorene	ND	ND	ND	ND	ND	ND	560000	8.20E+07
Indeno(1,2,3-cd)pyrene	12 J	ND	ND	ND	ND	ND	900 / 900 / 1600	170000
Phenanthrene	ND	8.4 J	11 J	ND	ND	ND	---	---
Pyrene	9.3 J	15 J	21 J	ND	ND	ND	2300000	6.10E+07

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

[B] - Soil Remediation Objective for Construction Worker, most stringent of the *Ingestion or Inhalation* exposure route.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Shaded values indicate concentration **exceeds** Reference Concentration.

Table 4-2 (Continued)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results - Organics
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-3(0-4)083117	B-3(4-6)083117	B-4(0-4)083117	B-4(4-6)083117	B-5(0-5)083117	B-6(0-4)083117	Soil Reference Concentrations[A]	Soil Remediation Objectives for Construction Workers[B]
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017		
Location ID	B-3	B-3	B-4	B-4	B-5	B-6		
Depth	0 - 4	4 - 6	0 - 4	4 - 6	0 - 5	0 - 4		
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136		
Parameter								
VOCs	**None Detected**							
SVOCs (ug/kg)								
Acenaphthene	ND	ND	ND	ND	ND	ND	570000	1.20E+08
Acenaphthylene	ND	ND	ND	ND	ND	ND	---	---
Anthracene	ND	ND	ND	ND	ND	ND	1.20E+07	6.10E+08
Benzo(a)anthracene	ND	ND	ND	ND	ND	13 J	900 / 1100 / 1800	170000
Benzo(a)pyrene	ND	ND	ND	ND	ND	22 J	90 / 1300 / 2100	17000
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	30 J	900 / 1500 / 2100	170000
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	16 J	---	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	9000	1700000
Chrysene	ND	ND	ND	ND	ND	14 J	88000	1.70E+07
Fluoranthene	ND	ND	ND	ND	ND	15 J	3100000	8.20E+07
Fluorene	ND	ND	ND	ND	ND	ND	560000	8.20E+07
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	14 J	900 / 900 / 1600	170000
Phenanthrene	ND	ND	ND	ND	ND	6.4 J	---	---
Pyrene	ND	ND	ND	ND	ND	17 J	2300000	6.10E+07

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

[B] - Soil Remediation Objective for Construction Worker, most stringent of the *Ingestion or Inhalation* exposure route.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Shaded values indicate concentration **exceeds** Reference Concentration.

Table 4-2 (Continued)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results - Organics
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-7(0-3)083117	B-8(0-4)083117	B-8(4-7)083117	Soil Reference Concentrations[A]	Soil Remediation Objectives for Construction Workers[B]
Sample Date	8/31/2017	8/31/2017	8/31/2017		
Location ID	B-7	B-8	B-8		
Depth	0 - 3	0 - 4	4 - 7		
Yard No.	YARD 136	YARD 136	YARD 136		
Parameter					
VOCs	**None Detected**				
SVOCs (ug/kg)					
Acenaphthene	7.4 J	ND	ND	570000	1.20E+08
Acenaphthylene	7.1 J	ND	ND	---	---
Anthracene	14 J	ND	ND	1.20E+07	6.10E+08
Benzo(a)anthracene	32 J	12 J	10 J	900 / 1100 / 1800	170000
Benzo(a)pyrene	27 J	15 J	11 J	90 / 1300 / 2100	17000
Benzo(b)fluoranthene	45	17 J	12 J	900 / 1500 / 2100	170000
Benzo(g,h,i)perylene	15 J	ND	ND	---	---
Benzo(k)fluoranthene	16 J	ND	ND	9000	1700000
Chrysene	32 J	12 J	9.4 J	88000	1.70E+07
Fluoranthene	76	19 J	15 J	3100000	8.20E+07
Fluorene	7 J	ND	ND	560000	8.20E+07
Indeno(1,2,3-cd)pyrene	17 J	10 J	ND	900 / 900 / 1600	170000
Phenanthrene	65	13 J	11 J	---	---
Pyrene	68	21 J	18 J	2300000	6.10E+07

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

[B] - Soil Remediation Objective for Construction Worker, most stringent of the *Ingestion or Inhalation* exposure route.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Shaded values indicate concentration **exceeds** Reference Concentration.

Table 4-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results - Inorganics
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-1(0-4)083117	B-1(4-7)083117	B-1(4-7)083117D	B-2(0-4)083117	Soil Reference Concentrations[A]	Soil Remediation Objectives for Construction Workers[B]
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017		
Location ID	B-1	B-1	B-1	B-2		
Depth	0 - 4	4 - 7	4 - 7	0 - 4		
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136		
Parameter						
Laboratory pH (s.u.)	7.3	8.0	8.1	5.9	<6.25; >9.0	---
Total Anions (mg/kg)						
Chloride	16000	3400	8800	2300	4000	---
Fluoride	ND	ND	ND	ND	80	12000
Sulfate	220	51 J	170 J	97 B	8000	---
Total Inorganics (mg/kg)						
Arsenic, Total	9.6	17	14	9.9 J-	11.3 / 13.0	61
Barium, Total	110	17	13	70 J-	1500	14000
Beryllium, Total	0.93	0.34	0.28	0.78 J-	22	410
Cadmium, Total	ND	ND	ND	ND	5.2	200
Calcium, Total	2800 B	170000 B	240000 B	740 J	---	---
Chromium, Total	23	6.1	5.4	19	21	690
Cobalt, Total	18	5.7	4.5	14	20	12000
Copper, Total	27	22	17	27 J-	2900	8200
Cyanide, Total	ND	1.7	1.8	ND	40	4100
Iron, Total	27000 B	28000 B	23000 B	24000 J	15000 / 15900	---
Lead, Total	21	20	17	19	107	700
Magnesium, Total	5600 B	100000 B	150000 B	3500 J	325000	730000
Manganese, Total	470 B	370 B	460 B	420 J-	630 / 636	4100
Mercury, Total	ND	ND	ND	ND	0.89	0.1
Nickel, Total	45 B	16 B	12 B	39 B	100	4100
Potassium, Total	2900	1200	1000	2000 J+	---	---
Selenium, Total	ND	ND	ND	ND	1.3	1000
Sodium, Total	11000 B	6200 B	5300 B	1800 B	---	---
Thallium, Total	ND	0.27 J	ND	ND	2.6	160
Vanadium, Total	33	10	8.6	25	550	1400
Zinc, Total	95 B	100 B	82 B	86 J-	5100	61000
TCLP Metals (mg/kg)						
Barium, TCLP	0.33 J	0.31 J	0.23 J	0.25 J	2	---
Cadmium, TCLP	0.0025 J	0.002 J	ND	ND	0.005	---
Cobalt, TCLP	0.024 J	ND	ND	ND	1	---
Copper, TCLP	0.024 J	ND	0.011 J	ND	0.65	---
Manganese, TCLP	5.6	3.1 J	1.7 J	0.16 J	0.15	---
Nickel, TCLP	0.032	0.015 J	0.011 J	ND	0.1	---
SPLP Metals (mg/kg)						
Arsenic, SPLP	ND	ND	ND	ND	0.05	---
Barium, SPLP	ND	ND	ND	0.066 J	2	---
Beryllium, SPLP	ND	ND	ND	ND	0.004	---
Cadmium, SPLP	ND	ND	ND	ND	0.005	---
Chromium, SPLP	ND	ND	ND	0.015 J	0.1	---
Cobalt, SPLP	ND	ND	ND	ND	1	---
Copper, SPLP	ND	ND	0.016 J	0.021 J	0.65	---
Iron, SPLP	2	3.8 J	2.1 J	15 J	5	---
Lead, SPLP	ND	ND	ND	ND	0.0075	---
Manganese, SPLP	0.023 J	0.031	0.017 J	0.089 J	0.15	---
Mercury, SPLP	ND	ND	ND	ND	0.002	---
Nickel, SPLP	ND	ND	ND	0.016 J	0.1	---
Zinc, SPLP	ND	ND	ND	0.04 J	5	---

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

[B] - Soil Remediation Objective for Construction Worker, most stringent of the *Ingestion or Inhalation* exposure route.

ND - Constituent not detected above the reporting limit.

B - Analyte was detected in the blank and sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Table 4-3 (Continued)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results - Inorganics
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-2(0-4)083117D	B-2(4-8)083117	B-3(0-4)083117	B-3(4-6)083117	Soil Reference Concentrations[A]	Soil Remediation Objectives for Construction Workers[B]
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017		
Location ID	B-2	B-2	B-3	B-3		
Depth	0 - 4	4 - 8	0 - 4	4 - 6		
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136		
Parameter						
Laboratory pH (s.u.)	6.1	7.9	7.4	7.6	<6.25; >9.0	---
Total Anions (mg/kg)						
Chloride	1700	760	1900	1300	4000	---
Fluoride	7.5	0.97 J	ND	2.3 J	80	12000
Sulfate	100 B	19 B	66 B	19 B	8000	---
Total Inorganics (mg/kg)						
Arsenic, Total	13	13	13	11	11.3 / 13.0	61
Barium, Total	71	28	64	41	1500	14000
Beryllium, Total	0.84	0.39	0.63	0.67	22	410
Cadmium, Total	ND	ND	ND	ND	5.2	200
Calcium, Total	730 B	150000 B	1700 B	29000 B	---	---
Chromium, Total	21	8.1	16	15	21	690
Cobalt, Total	14	8.6	13	12	20	12000
Copper, Total	28	22	26	28	2900	8200
Cyanide, Total	ND	ND	ND	ND	40	4100
Iron, Total	28000 B	22000 B	25000 B	23000 B	15000 / 15900	---
Lead, Total	22	12	17	17	107	700
Magnesium, Total	3600 B	49000 B	3200 B	21000 B	325000	730000
Manganese, Total	440 B	420 B	530 B	400 B	630 / 636	4100
Mercury, Total	ND	ND	0.042 B	0.041 B	0.89	0.1
Nickel, Total	36 B	20 B	33 B	33 B	100	4100
Potassium, Total	1900	1400	1700	2400	---	---
Selenium, Total	0.44 J	ND	ND	ND	1.3	1000
Sodium, Total	2500 B	350 B	1700 B	790 B	---	---
Thallium, Total	ND	ND	ND	0.32 J	2.6	160
Vanadium, Total	30	13	24	21	550	1400
Zinc, Total	84 B	74 B	110 B	100 B	5100	61000
TCLP Metals (mg/kg)						
Barium, TCLP	0.26 J	0.28 J	0.27 J	0.37 J	2	---
Cadmium, TCLP	ND	ND	ND	ND	0.005	---
Cobalt, TCLP	0.025	ND	ND	ND	1	---
Copper, TCLP	ND	ND	ND	0.032	0.65	---
Manganese, TCLP	1.4 J	0.43	0.035	0.71	0.15	---
Nickel, TCLP	ND	ND	ND	ND	0.1	---
SPLP Metals (mg/kg)						
Arsenic, SPLP	0.077	ND	0.078	0.023 J	0.05	---
Barium, SPLP	0.8	ND	0.72	0.21 J	2	---
Beryllium, SPLP	0.0076	ND	0.0057	ND	0.004	---
Cadmium, SPLP	ND	ND	0.0027 J	ND	0.005	---
Chromium, SPLP	0.15 J	ND	0.13	0.05	0.1	---
Cobalt, SPLP	0.059	ND	0.046	0.017 J	1	---
Copper, SPLP	0.27 J	ND	0.19	0.067	0.65	---
Iron, SPLP	210 J	0.41	180	62	5	---
Lead, SPLP	0.11	ND	0.08	0.03	0.0075	---
Manganese, SPLP	1.5 J	ND	1.4	0.42	0.15	---
Mercury, SPLP	0.00052	ND	0.00037	ND	0.002	---
Nickel, SPLP	0.26 J	ND	0.19	0.092	0.1	---
Zinc, SPLP	0.64	ND	0.66	0.21 J	5	---

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

[B] - Soil Remediation Objective for Construction Worker, most stringent of the *Ingestion or Inhalation* exposure route.

ND - Constituent not detected above the reporting limit.

B - Analyte was detected in the blank and sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Table 4-3 (Continued)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results - Inorganics
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-4(0-4)083117	B-4(4-6)083117	B-5(0-5)083117	B-6(0-4)083117	Soil Reference Concentrations[A]	Soil Remediation Objectives for Construction Workers[B]
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017		
Location ID	B-4	B-4	B-5	B-6		
Depth	0 - 4	4 - 6	0 - 5	0 - 4		
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136		
Parameter						
Laboratory pH (s.u.)	7.5	7.4	9.4	7.9	<6.25; >9.0	---
Total Anions (mg/kg)						
Chloride	2300	3000	14	7000	4000	---
Fluoride	7.2	ND	4	ND	80	12000
Sulfate	65 B	31 B	12 B	75 B	8000	---
Total Inorganics (mg/kg)						
Arsenic, Total	9.1	12	12	11	11.3 / 13.0	61
Barium, Total	79	42	35	18	1500	14000
Beryllium, Total	0.77	0.52	0.56	0.25	22	410
Cadmium, Total	ND	0.41 B	0.42 B	ND	5.2	200
Calcium, Total	21000 B	31000 B	100000 B	160000 B	---	---
Chromium, Total	19	12	13	5.3	21	690
Cobalt, Total	14	12	14	5.8	20	12000
Copper, Total	26	27	27	19	2900	8200
Cyanide, Total	ND	ND	ND	ND	40	4100
Iron, Total	23000 B	21000 B	21000 B	15000 B	15000 / 15900	---
Lead, Total	16	16	17	17	107	700
Magnesium, Total	17000 B	21000 B	26000 B	54000 B	325000	730000
Manganese, Total	410 B	500 B	380 B	450 B	630 / 636	4100
Mercury, Total	ND	ND	ND	ND	0.89	0.1
Nickel, Total	39 B	30 B	32 B	14 B	100	4100
Potassium, Total	2700	1900	2100	930	---	---
Selenium, Total	ND	ND	ND	ND	1.3	1000
Sodium, Total	2900 B	2300 B	640 B	4100 B	---	---
Thallium, Total	ND	ND	ND	ND	2.6	160
Vanadium, Total	26	18	19	8.8	550	1400
Zinc, Total	70 B	94 B	99 B	70 B	5100	61000
TCLP Metals (mg/kg)						
Barium, TCLP	0.45 J	0.34 J	0.28 J	0.24 J	2	---
Cadmium, TCLP	ND	ND	ND	0.0033 J	0.005	---
Cobalt, TCLP	ND	ND	ND	ND	1	---
Copper, TCLP	ND	0.035	0.018 J	0.031	0.65	---
Manganese, TCLP	0.29	1.1	0.58	3	0.15	---
Nickel, TCLP	ND	ND	ND	0.023 J	0.1	---
SPLP Metals (mg/kg)						
Arsenic, SPLP	0.095	ND	0.032 J	ND	0.05	---
Barium, SPLP	0.66	ND	0.3 J	ND	2	---
Beryllium, SPLP	0.0079	ND	ND	ND	0.004	---
Cadmium, SPLP	0.0022 J	ND	0.0022 J	ND	0.005	---
Chromium, SPLP	0.16	ND	0.063	ND	0.1	---
Cobalt, SPLP	0.051	ND	0.027	ND	1	---
Copper, SPLP	0.28	ND	0.093	ND	0.65	---
Iron, SPLP	210	5.3	80	1.9	5	---
Lead, SPLP	0.097	ND	0.045	ND	0.0075	---
Manganese, SPLP	1.1	0.033	0.53	0.014 J	0.15	---
Mercury, SPLP	0.0003	ND	0.00021	ND	0.002	---
Nickel, SPLP	0.27	ND	0.089	ND	0.1	---
Zinc, SPLP	0.62	0.023 J	0.27 J	ND	5	---

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

[B] - Soil Remediation Objective for Construction Worker, most stringent of the *Ingestion or Inhalation* exposure route.

ND - Constituent not detected above the reporting limit.

B - Analyte was detected in the blank and sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Table 4-3 (Continued)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results - Inorganics
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-7(0-3)083117	B-8(0-4)083117	B-8(4-7)083117	Soil Reference Concentrations[A]	Soil Remediation Objectives for Construction Workers[B]
Sample Date	8/31/2017	8/31/2017	8/31/2017		
Location ID	B-7	B-8	B-8		
Depth	0 - 3	0 - 4	4 - 7		
Yard No.	YARD 136	YARD 136	YARD 136		
Parameter					
Laboratory pH (s.u.)	7.5	7.7	7.9	<6.25; >9.0	---
Total Anions (mg/kg)					
Chloride	6400	2200	1400	4000	---
Fluoride	0.99 J	1.1 J	ND	80	12000
Sulfate	39 B	87 B	64 B	8000	---
Total Inorganics (mg/kg)					
Arsenic, Total	14	9.4	3.5	11.3 / 13.0	61
Barium, Total	44	33	15	1500	14000
Beryllium, Total	0.49	0.41	0.15 J	22	410
Cadmium, Total	ND	ND	ND	5.2	200
Calcium, Total	73000 B	160000 B	270000 B	---	---
Chromium, Total	12	9.6	3.4	21	690
Cobalt, Total	11	8.5	2.8	20	12000
Copper, Total	30	18	7.1	2900	8200
Cyanide, Total	ND	ND	ND	40	4100
Iron, Total	23000 B	15000 B	7900 B	15000 / 15900	---
Lead, Total	30	12	3.4	107	700
Magnesium, Total	24000 B	45000 B	170000 B	325000	730000
Manganese, Total	510 B	400 B	280 B	630 / 636	4100
Mercury, Total	0.047 B	ND	ND	0.89	0.1
Nickel, Total	28 B	20 B	7.3 B	100	4100
Potassium, Total	1500	1600	650	---	---
Selenium, Total	ND	ND	ND	1.3	1000
Sodium, Total	3700 B	1300 B	650 B	---	---
Thallium, Total	ND	ND	ND	2.6	160
Vanadium, Total	19	14	5.3	550	1400
Zinc, Total	87 B	57 B	18 B	5100	61000
TCLP Metals (mg/kg)					
Barium, TCLP	0.6	0.38 J	0.3 J	2	---
Cadmium, TCLP	0.0026 J	0.0025 J	0.002 J	0.005	---
Cobalt, TCLP	0.026	ND	0.017 J	1	---
Copper, TCLP	0.02 J	0.029	ND	0.65	---
Manganese, TCLP	9.9	1.4	3.7	0.15	---
Nickel, TCLP	0.033	ND	0.02 J	0.1	---
SPLP Metals (mg/kg)					
Arsenic, SPLP	ND	ND	ND	0.05	---
Barium, SPLP	ND	ND	ND	2	---
Beryllium, SPLP	ND	ND	ND	0.004	---
Cadmium, SPLP	ND	ND	ND	0.005	---
Chromium, SPLP	ND	ND	ND	0.1	---
Cobalt, SPLP	ND	ND	ND	1	---
Copper, SPLP	ND	ND	ND	0.65	---
Iron, SPLP	5.5	0.56	ND	5	---
Lead, SPLP	ND	ND	ND	0.0075	---
Manganese, SPLP	0.15	ND	ND	0.15	---
Mercury, SPLP	ND	ND	ND	0.002	---
Nickel, SPLP	ND	ND	ND	0.1	---
Zinc, SPLP	0.024 J	0.05 J	ND	5	---

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for MSA counties are included, as applicable.

[B] - Soil Remediation Objective for Construction Worker, most stringent of the *Ingestion or Inhalation* exposure route.

ND - Constituent not detected above the reporting limit.

B - Analyte was detected in the blank and sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Table 4-4
Comparison of Detected Constituents to Applicable Regulatory Levels
Waste Disposal Parameters Results
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	Disposal-083117	**Regulatory Limit**
Sample Date	8/31/2017	
Location ID	Disposal	
Location Code	YARD 136	
Parameter		
Laboratory pH (standard pH units)	8.0	<2.0, >12.5 [A]
Flashpoint (Deg F)	> 176	< 140
Reactivity, Cyanide (mg/kg)	0.14 J	---
Reactivity, Sulfide (mg/kg)	ND	---
Paint Filter	PASS	---
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	5 [A]
Barium, TCLP	0.43 J	100 [A]
Cadmium, TCLP	0.0025 J	1 [A]
Chromium, TCLP	ND	5 [A]
Lead, TCLP	ND	5 [A]
Mercury, TCLP	ND	0.2 [A]
Selenium, TCLP	ND	1 [A]
Silver, TCLP	ND	5 [A]
TCLP VOCs	**None Detected**	
TCLP SVOCs		
TCLP Pesticides		
TCLP Herbicides		
PCBs		

Notes:
[A] - 35 IAC, Subpart C, Section 721, Characteristics of Hazardous Waste.
ND - Constituent not detected above the method reporting limit.
J - Estimated concentration.
ºF - Degrees Fahrenheit.
s.u. - Standard pH Units.

Table 4-5
Estimated Impacted Soil Excavation Volumes
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

	Spread Footings				Concrete Slab				Total Volume
Boring	Length (ft)	Width (ft)	Depth (ft)	Volume (ft^3)	Length (ft)	Width (ft)	Depth (ft)	Volume (ft^3)	**(yd^3)**
B-1	110	7	7	5390	45	65	1	2925	**308**
B-2	110	7	7	5390	45	65	1	2925	**308**
B-3 and B-4	190	7	7	9310	45	190	1	8550	**661**
B-5 and B-6	190	7	7	9310	90	50	1	4500	**511**
B-7	100	7	7	4900	100	45	1	4500	**348**

Total Impacted Material Excavation Volume	**2137**

All lengths are based on the dashed outline for the proposed Salt Storage Building on Figure 4-1.
Excavation depth for spread footings is estimated to be 7 feet. This is the mid point between the anticipated footing depth of 6 to 8 feet, as provided by IDOT.

Table 4-6
Estimated Construction Management Costs
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Pay Item	Quantity	Unit	Unit Cost ($)	Costs ($)
NON-SPECIAL WASTE DISPOSAL [1, 3]	1,476	Cubic yard	75.00	$110,700.00
MANAGEMENT TO A CCDD/USFO [1, 4]	661	Cubic yard	45.00	$29,745.00
SPECIAL WASTE PLANS AND REPORTS [2]	1	Lump sum	12,600.00	$12,600.00
TOTAL COST (rounded to the nearest $100)				**$153,000.00**

Assumptions:

1) - Transportation and disposal costs for soil are based on 50 mile distance to permitted disposal facility.

2) - Special waste plans assume the following documents and costs are required - 1) Site health and safety plan at $500; 2) Site contamination operation plan at $500; 3) Erosion control plan at $500; and 4) one final report at $1,500. The total cost for documents described is $3,000 and assumes the activities will occur during one mobilization. This line item also includes labor, expenses, and equipment for air monitoring field oversight for a time period of eight days at this property, for non-special waste soil disposal volumes, at $1,200 per day ($9,600 total); and is based on an excavation and loading rate of approximately 200 yd^3 per day.

3) - This volume of waste should be managed to a Non-Special Waste Landfill.

4) - This volume of waste may be managed to a CCDD/USFO within a MSA County.

SECTION 5
CONCLUSIONS AND RECOMMENDATIONS

This section contains conclusions and recommendations based on the findings of the PSI of the New Lenox Yard (136) located located at 1400 West Maple Street, in New Lenox, Will County, Illinois. This PSI was conducted for CDB Job No. 630-036-008. Additional discussion regarding the prevention of accelerated contaminant migration is also presented.

5.1 NEW LENOX YARD (136)

5.1.1 Conclusions

- Soil borings B-1 through B-8 were advanced to depths up to 8.0 ft bgs at the New Lenox Yard property. Up to two investigative soil samples were collected from each boring within the proposed maximum depth of excavation of 8.0 ft bgs. Several borings encountered bedrock at shallow depths (3.0 to 5.0 ft bgs), and only one soil sample was collected from these borings.

- Chloride, arsenic, and/or manganese, were detected at levels exceeding their reference concentrations in borings B-1 through B-7. Based on these data, these constituents are considered contaminants of concern and soil adjacent to borings B-1 through B-7 is considered potentially impacted.

- The detections of chloride in borings B-1, B-6, and B-7 at levels exceeding its reference concentration, may indicate salt storage operations have impacted the subsurface in the vicinity of these borings.

- The pH levels measured in soil samples collected from soil borings B-2 and B-5 were outside the range of allowable limits for material to be considered for disposal to a CCDD/USFO.

- Based on the composite sample analyzed for disposal parameters, soil is not considered to be a hazardous waste.

- An estimated 1,476 yd^3 of impacted soil may be managed as non-special waste and an estimated 661 yd^3 of soil may be managed to a CCDD/USFO during construction activities. The estimated cost for the management of this combined volume of soil is $153,000.00, which includes a lump sum total for environmental oversight and disposal analysis. Assumptions used to generate these estimates are provided in Section 4 and Table 4-6.

- Soil analytical results for boring B-8 indicate reference concentrations were not exceeded and soil in the vicinity of this boring is considered uncontaminated and its use unrestricted.

- Constituents in soil were not detected above construction worker protection limits.

- Saturated conditions were not encountered in the soil borings advanced at the subject property. As a result, a groundwater evaluation was not conducted.

5.1.2 Recommendations

- Based upon the concentrations of arsenic and chloride in borings B-1 and B-7, the soil/waste generated in the vicinity of these borings during construction activities should be managed as a non-special waste.

- Based upon the concentrations of arsenic, manganese, and/or chloride in borings B-2, B-5, and B-6, and pH levels less than 6.25 s.u. in B-2 and greater than 9.0 s.u. in B-5, the soil/waste generated in the vicinity of these borings during construction activities may be used on-site. In the event this soil/waste cannot be used on site, it should be managed as a non-special waste.

- Based upon the concentrations of arsenic and manganese in borings B-3 and B-4, within the maximum excavation depth, the soil/waste generated in the vicinity of these borings during construction activities may be managed on-site or to a CCDD/USFO within a MSA County. In the event the soil/waste cannot be managed on-site or to a CCDD/USFO within a MSA County, the soil/waste should be managed as a non-special waste.

- Based on the presence of chloride, arsenic, and/or manganese within the planned area of excavation, environmental oversight is recommended during construction activities at this property. It is estimated that environmental oversight and monitoring will be required for up to eight days for non-special waste soil disposal. The estimated cost for this oversight is contained within the lump sum cost of $12,600.00 that also includes the preparation of special waste plans and reports. Assumptions used to generate these estimates are provided on Table 4-6.

- No further investigation activities are recommended for this property for the purpose of this construction project. However, in the event additional construction activities are planned for this property outside the existing construction limits, additional investigation may be warranted.

5.2 PREVENTION OF ACCELERATED CONTAMINANT MIGRATION

Potentially impacted soils may exist outside the construction limits of the project. Therefore, potential methods to prevent the accelerated migration of contaminants were evaluated. Specific actions that may be implemented include stormwater runoff controls. This action is evaluated below.

There is a potential for stormwater to become contaminated through contact with soil in excavations or through contact with soil that has been excavated at the subject property. To minimize the potential for stormwater to come into contact with potentially impacted soil, all potentially impacted soil should be managed as rapidly as possible.

The USEPA has developed and implemented specific regulations regarding the control of stormwater runoff associated with construction activities (40 CFR 122). Recommended measures that could be used include, but are not limited to, the placement of protective tarps or barriers over inactive excavations and/or associated excavated soil to reduce the volume of stormwater that comes into contact with contaminants. Stormwater that enters into and collects in any excavations can be pumped into secured containers and subsequently disposed. Alternatively, if the schedule of IDOT construction activities is feasible, or if the sequence of activities can be modified allowing the accumulated stormwater in an excavation area to recede into the ground will minimize or eliminate the need to manage and dispose of the water off-site as a special (non-RCRA) waste.

APPENDIX A

SOIL BORING LOGS

BORING B-1

New Lenox Yard (136)
Proposed Salt Storage Building
New Lenox, Will County, Illinois
Work Order 10-017

Date	: 31 August 2017	Latitude	: 41.517670366
Sampling Method	: Geoprobe	Longitude	: -87.992005259
Drilling Company	: Cabeno Environmental	Surface	: Asphalt
Weston Geoscientist	: AJ Hord		
Total Depth	: 7.0 ft		

Sample Comments
⊠ Soil Sample Interval

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample Interval	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL		Asphalt and base material.				
1	CL		CLAY - brown and gray, slightly stiff, slightly moist, low plasticity, trace medium- to coarse-grained sand, trace fine-grained gravel.			0.0	
2							Soil Sample B-1(0-4)-093117 collected from 0.0 to 4.0 ft bgs.
3	SC		CLAYEY SAND - brown and red, dense, well graded, fine- to coarse grained, moist, trace fine-grained gravel.		54/60	0.0	
4							
5			As above, little fine-grained gravel, tan mottling.			0.0	
6	GW		SAND AND GRAVEL - tan and red, loose, slighlty moist, fine- to coarse grained sand, fine-grained gravel, trace clay.		24/24	0.0	Soil Sample B-1(4-7)-093117 and a duplicate sample collected from 4.0 to 7.0 ft bgs.
	DO		DOLOMITE - weathered, loose (powdery), dry				Soil samples analyzed for VOCs, SVOCs, Total Metals, TCLP/SPLP Metals, and pH.
7			End of boring at 7.0 ft bgs - Refusal on competent bedrock.				
8							
9							

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BORING B-2

New Lenox Yard (136)
Proposed Salt Storage Building
New Lenox, Will County, Illinois
Work Order 10-017

Date	: 31 August 2017	Latitude	: 41.517673444
Sampling Method	: Geoprobe	Longitude	: -87.991675289
Drilling Company	: Cabeno Environmental	Surface	: Asphalt
Weston Geoscientist	: AJ Hord		
Total Depth	: 8.0 ft		

Sample Comments
⊠ Soil Sample Interval

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample Interval	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL		Asphalt and base material.				
1	CL		CLAY - tan, soft, slightly moist, high plasticity, trance fine- to coarse-grained sand, trace fine-grained gravel.			0.0	
2							Soil Sample B-2(0-4)-093117 and duplicate soil sample collected from 0.0 to 4.0 ft bgs.
3			SANDY CLAY - tan, soft, slightly moist, low plasticity, fine- to coarse-grained sand, trace fine-grained gravel, fine- to coarse-grained sand seams.		50/60	0.0	
4							
5	CL		CLAY - tan, very soft, moist, low plasticity, trace fine-grained sand.			0.0	
6					36/60		Soil Sample B-2(4-8)-093117 collected from 4.0 to 8.0 ft bgs.
							Soil samples analyzed for VOCs, SVOCs, Total Metals, TCLP/SPLP Metals, and pH.
7						0.0	
8	DO		DOLOMITE - white, weathred, loose, slightly moist (powdery).				
			End of boring at 8.0 ft bgs.				
9							

BORING B-3

New Lenox Yard (136)
Proposed Salt Storage Building
New Lenox, Will County, Illinois
Work Order 10-017

Date	: 31 August 2017	Latitude	: 41.517355515
Sampling Method	: Geoprobe	Longitude	: -87.991663450
Drilling Company	: Cabeno Environmental	Surface	: Asphalt
Weston Geoscientist	: AJ Hord		
Total Depth	: 6.0 ft		

Sample Comments
⊠ Soil Sample Interval

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample Interval	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL		Asphalt and base material.				
			SANDY CLAY - tan, soft, slightly moist, some fine- to medium-grained sand.				
1						0.0	
2							Soil Sample B-3(0-4)-093117 collected from 0.0 to 4.0 ft bgs.
					50/60		
3	CL					0.0	
4			As above, trace fine-grained angular gravel, slightly stiff, trace brick (FILL).				
5			As above, very soft, moist, fine- to coarse-grained sand seams.		12/36	0.0	Soil Sample B-3(4-6)-093117 collected from 4.0 to 6.0 ft bgs.
							Soil samples analyzed for VOCs, SVOCs, Total Metals, TCLP/SPLP Metals, and pH.
6			End of boring at 6.0 ft bgs - Refusal on competent bedrock.				
7							
8							
9							

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BORING B-4

New Lenox Yard (136)
Proposed Salt Storage Building
New Lenox, Will County, Illinois
Work Order 10-017

Date	: 31 August 2017	Latitude	: 41.517150594
Sampling Method	: Geoprobe	Longitude	: -87.991666728
Drilling Company	: Cabeno Environmental	Surface	: Asphalt
Weston Geoscientist	: AJ Hord		
Total Depth	: 6.0 ft		

Sample Comments
⊠ Soil Sample Interval

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample Interval	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL		Asphalt and base material.				
1	CH		CLAY - tan, soft, slightly moist, medium plasticity, trace coarse-grained sand, trace fine-grained gravel.			0.0	
2							Soil Sample B-4(0-4)-093117 collected from 0.0 to 4.0 ft bgs.
3	SC		CLAYEY SAND - tan, medium dense, poorly graded, fine-grained, moist.		50/60	0.0	
4							
5	CL		GRAVELLY CLAY - tan, slightly stiff, slightly moist, non plastic, trace fine- to coarse-grained sand.		12/36	0.0	Soil Sample B-4(4-6)-093117 collected from 4.0 to 6.0 ft bgs. Soil samples analyzed for VOCs, SVOCs, Total Metals, TCLP/SPLP Metals, and pH.
6			End of boring at 6.0 ft bgs - Refusal on competent bedrock.				
7							
8							
9							

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BORING B-5

New Lenox Yard (136)
Proposed Salt Storage Building
New Lenox, Will County, Illinois
Work Order 10-017

Date	: 31 August 2017	Latitude	: 41.516842166
Sampling Method	: Geoprobe	Longitude	: -87.991674521
Drilling Company	: Cabeno Environmental	Surface	: Asphalt
Weston Geoscientist	: AJ Hord		
Total Depth	: 5.0 ft		

Sample Comments
☒ Soil Sample Interval

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample Interval	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL		Asphalt and base material.				
1	CL		CLAY - tan, soft, slightly moist, low plasticity, trace fine-grained sand, trace fine-grained gravel.			0.0	
2							Soil Sample B-5(0-5)-093117 collected from 0.0 to 5.0 ft bgs.
3	CL		GRAVELLY CLAY- tan, slightly stiff, slightly moist non plastic, little fine- to coarse-grained sand, some fine-grained gravel.		50/60	0.0	Soil sample analyzed for VOCs, SVOCs, Total Metals, TCLP/SPLP Metals, and pH.
4	SC		CLAYEY SAND - tan, moist, loose, poorly graded, fine-grained sand, trace coarse-grained sand.				
5	DO		DOLOMITE- white, fine-grained, loose, dry (powdery).				
			End of boring at 5.0 ft bgs - Refusal on competent bedrock.				
6							
7							
8							
9							

BORING B-6

New Lenox Yard (136)
Proposed Salt Storage Building
New Lenox, Will County, Illinois
Work Order 10-017

Date	: 31 August 2017	Latitude	: 41.516821290
Sampling Method	: Geoprobe	Longitude	: -87.991956801
Drilling Company	: Cabeno Environmental	Surface	: Asphalt
Weston Geoscientist	: AJ Hord		
Total Depth	: 4.0 ft		

Sample Comments
☒ Soil Sample Interval

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample Interval	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL		Asphalt and base material.				
1	SP		SAND - tan, slightly moist, well graded, fine- to medium-grained, little coarse-gained sand, little fine-grained gravel.			0.0	
2					30/48		Soil Sample B-6(0-4)-093117 collected from 0.0 to 4.0 ft bgs.
3	CL		SANDY CLAY - tan, soft, moist, low plasticity, little fine- to medium-grained sand.			0.0	Soil sample analyzed for VOCs, SVOCs, Total Metals, TCLP/SPLP Metals, and pH.
4	DO		DOLOMITE - white, weathered, loose, dry (powdery).				
			End of boring at 4.0 ft bgs - Refusal on competent bedrock.				
5							
6							
7							
8							
9							

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BORING B-7

New Lenox Yard (136)
Proposed Salt Storage Building
New Lenox, Will County, Illinois
Work Order 10-017

Date	: 31 August 2017	Latitude	: 41.517114680
Sampling Method	: Geoprobe	Longitude	: -87.992007935
Drilling Company	: Cabeno Environmental	Surface	: Asphalt
Weston Geoscientist	: AJ Hord		
Total Depth	: 3.0 ft		

Sample Comments
☒ Soil Sample Interval

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample Interval	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL		Asphalt and base material.				
1	CL		CLAY - gray, stiff, slight moist, non plastic, trace fine- to coarse-grained sand, trace asphalt, trace fine-grained gravel.		30/36	0.0	Soil Sample B-7(0-3)-093117 collected from 0.0 to 3.0 ft bgs.
2			SANDY CLAY - tan, soft, slightly moist, low plasticity, little fine- to coarse-grained sand, fine-grained sand seams, trace fine-grained gravel.			0.0	Soil sample analyzed for VOCs, SVOCs, Total Metals, TCLP/SPLP Metals, and pH.
3	DO		DOLOMITE - white, weathered, loose, dry (powdery).				
			End of boring at 3.0 ft bgs - Refusal on competent bedrock.				
4							
5							
6							
7							
8							
9							

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BORING B-8

New Lenox Yard (136)
Proposed Salt Storage Building
New Lenox, Will County, Illinois
Work Order 10-017

Date	: 31 August 2017	Latitude	: 41.517396949
Sampling Method	: Geoprobe	Longitude	: -87.991993877
Drilling Company	: Cabeno Environmental	Surface	: Asphalt
Weston Geoscientist	: AJ Hord		
Total Depth	: 7.0 ft		

Sample Comments
⊠ Soil Sample Interval

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Sample Interval	Recovery (in / in)	Head Space (PID Units)	REMARKS
0	FL		Asphalt and base material.				
1	CL		CLAY - brown, slightly stiff, slightly moist, non plastic, trace fine- to coarse-grained sand, trace fine-grained gravel.			0.0	
2					54/60		Soil Sample B-8(0-4)-093117 collected from 0.0 to 4.0 ft bgs.
3			As above, trace fine- to medium-grained sand.			0.0	
4							
5	DO		DOLOMITE - white, weathered, loose (powdery), dry			0.0	
6					24/24	0.0	Soil Sample B-8(4-7)-093117 collected from 4.0 to 7.0 ft bgs.
7			End of boring at 7.0 ft bgs - Refusal on competent bedrock.				Soil samples analyzed for VOCs, SVOCs, Total Metals, TCLP/SPLP Metals, and pH.
8							
9							

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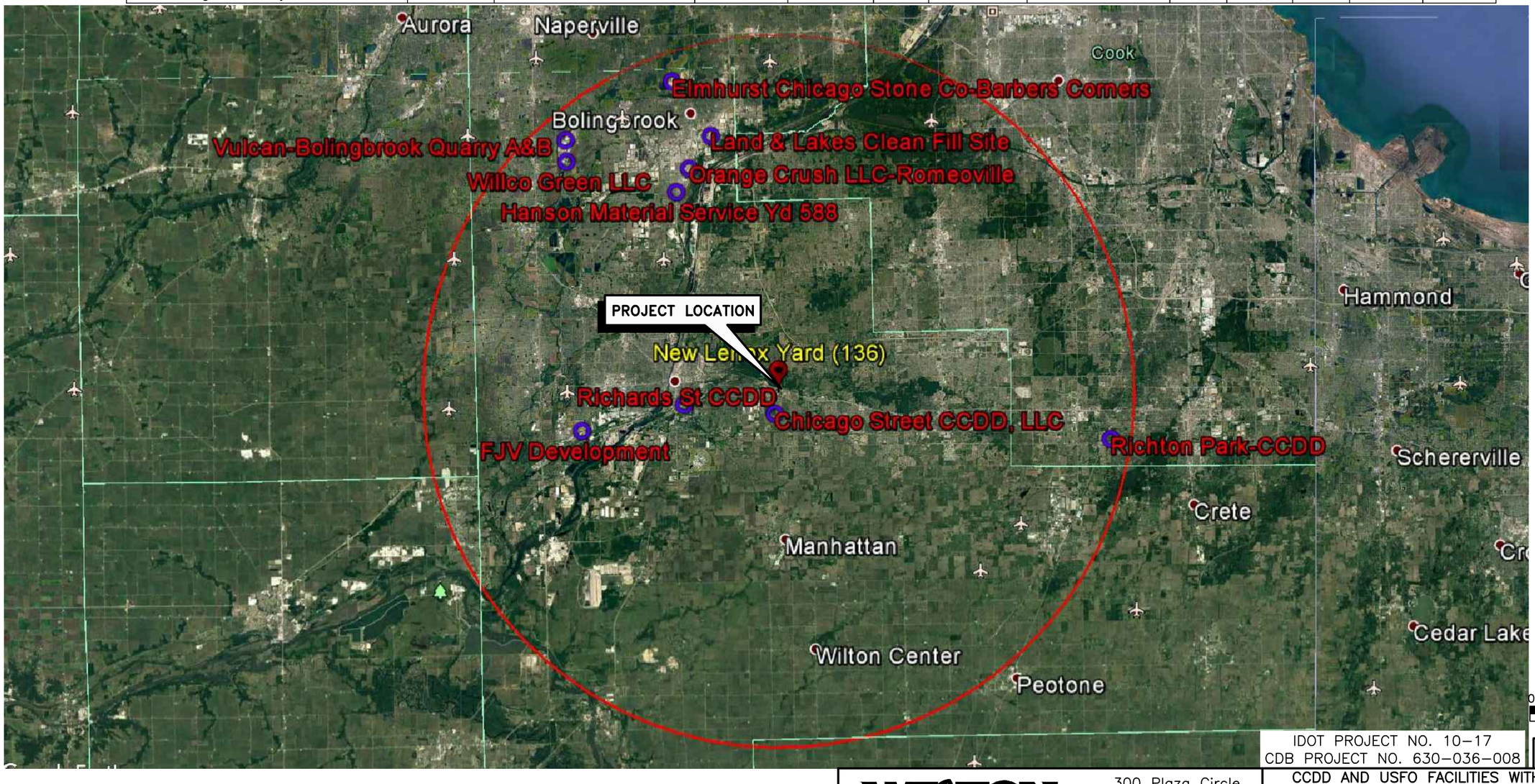
APPENDIX B

CCDD/USFO LOCATIONS
AND
UNCONTAMINATED SOIL CERTIFICATIONS – IEPA FORM LPC-663

CCDD Facilities												
Name	Site Number	Site Address	City	County	Zip	Phone	Contact	Accepts Soil	Accepts Concrete	Accepts Asphalt	Date Confirmed	Confirmed By
Chicago Street CCDD, LLC	1970455178	1127 S Chicago St	Joliet	Will	60436	815-723-3000	Sandeno, Kenneth	Yes	Yes	Yes	5/22/2017	AT
Willco Green LLC	1970805144	22957 W. 119th St.	Plainfield	Will	60585	815-436-7465	Heil, Edward	Yes	Yes	Yes	9/19/2017	AS
Elmhurst Chicago Stone Co-Barbers Corners	1978030002	351 Royce Road	Bolingbrook	Will/DuPage	60490	630-832-4000	Peter, Stamatopoulos	Yes	Yes	No	5/17/2017	KF
FJV Development	1978175017	3210 Mound Rd	Joliet	Will	60436	708-774-9300	Koty, John	Yes	Yes	Yes	5/22/2017	AT
Hanson Material Service Yd 588	1970900001	Route 53	Romeoville	Will	60446	312-213-6083	Hall, Bret	Yes	Yes	No	9/20/2017	AS
Land & Lakes Clean Fill Site	1970905141	1371 N Joliet Rd	Romeoville	Will	60446	847-825-5000	Cowhey Jr, James	Yes	Yes	Yes	9/20/2017	AS
Orange Crush LLC-Romeoville	1970905104	1001 Independence Ave	Romeoville	Will	60446	708-544-9440	Ron, Bobkowski	No	Yes	Yes	5/23/2017	AT
Richards St CCDD	1974450034	800 S Richards St	Joliet	Will	60432	815-744-6633	Hess Jr, Phil	No	Yes	Yes	5/22/2017	AT
Richton Park-CCDD	311800001	22100 S. Central Ave.	Richton Park	Cook	60471	224-212-1251	Butler, James	Yes	Yes	Yes	9/20/2017	AS
Vulcan-Bolingbrook Quarry A&B	1978200006	22933 West Hassert Boulevard	Plainfield	Will	60585	630-904-1110	---	Yes	Yes	Yes	9/20/2017	AS



IDOT PROJECT NO. 10-17
CDB PROJECT NO. 630-036-008

FIGURE B-1

WESTON SOLUTIONS

300 Plaza Circle
Suite 202
Mundelein, Illinois
60060

CCDD AND USFO FACILITIES WITHIN 16 MILES
NEW LENOX YARD 136 (E24)
NEW LENOX YARD 136 – 1400 WEST MAPLE
ILLINOIS DEPARTMENT OF TRANSPORTATION
New Lenox, Will County, Illinois

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Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: New Lenox Yard (136) (ISGS No. 1628V2-23) Office Phone Number, if available: _____

Physical Site Location (address, incldduding number and street):

1400 West Maple Street

City: New Lenox State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.517396949 (Decimal Degrees) Longitude: -87.991993877 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	2300 South Dirksen Parkway	Street Address:	2300 South Dirksen Parkway
PO Box:		PO Box:	
City:	Springfield State: IL	City:	Springfield State: IL
Zip Code:	62764 Phone: (217) 785-4246	Zip Code:	62764 Phone: (217) 785-4246
Contact:	Douglas E. Liniger	Contact:	Douglas E. Liniger
Email, if available:	Douglas.Liniger@illinois.gov	Email, if available:	Douglas.Liniger@illinois.gov

Project Name: New Lenox Yard (136) (ISGS No. 1628V2-23)

Latitude: 41.517396949 Longitude: -87.991993877

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS B-3, B-4, AND B-8 WERE SAMPLED AT THE NEW LENOX YARD. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

TEST AMERICA REPORT - JOB ID: 500-133400-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

Michael A. Castillo, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

10/16/2017
Date:

P.E. or L.P.G. Seal:

Summary Table of Soil Analytical Results
Comparison of Detected Constituents to Applicable Reference Concentrations
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-3(0-4)083117	B-3(4-6)083117	B-4(0-4)083117	B-4(4-6)083117	B-8(0-4)083117	B-8(4-7)083117	Soil Reference Concentrations[A]
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	
Location ID	B-3	B-3	B-4	B-4	B-8	B-8	
Depth	0 - 4	4 - 6	0 - 4	4 - 6	0 - 4	4 - 7	
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	
Parameter							
Laboratory pH (s.u.)	7.4	7.6	7.5	7.4	7.7	7.9	<6.25; >9.0
VOCs							
SVOCs (ug/kg)							
Benzo(a)anthracene	ND	ND	ND	ND	12 J	10 J	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	ND	ND	15 J	11 J	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	ND	ND	ND	17 J	12 J	900 / 1500 / 2100
Chrysene	ND	ND	ND	ND	12 J	9.4 J	88000
Fluoranthene	ND	ND	ND	ND	19 J	15 J	3100000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	10 J	ND	900 / 900 / 1600
Phenanthrene	ND	ND	ND	ND	13 J	11 J	---
Pyrene	ND	ND	ND	ND	21 J	18 J	2300000
Total Anions (mg/kg)							
Chloride	1900	1300	2300	3000	2200	1400	4000
Fluoride	ND	2.3 J	7.2	ND	1.1 J	ND	80
Sulfate	66 B	19 B	65 B	31 B	87 B	64 B	8000
Total Inorganics (mg/kg)							
Arsenic, Total	13	11	9.1	12	9.4	3.5	11.3 / 13.0
Barium, Total	64	41	79	42	33	15	1500
Beryllium, Total	0.63	0.67	0.77	0.52	0.41	0.15 J	22
Cadmium, Total	ND	ND	ND	0.41 B	ND	ND	5.2
Calcium, Total	1700 B	29000 B	21000 B	31000 B	160000 B	270000 B	---
Chromium, Total	16	15	19	12	9.6	3.4	21
Cobalt, Total	13	12	14	12	8.5	2.8	20
Copper, Total	26	28	26	27	18	7.1	2900
Iron, Total	25000 B	23000 B	23000 B	21000 B	15000 B	7900 B	15000 / 15900
Lead, Total	17	17	16	16	12	3.4	107
Magnesium, Total	3200 B	21000 B	17000 B	21000 B	45000 B	170000 B	325000
Manganese, Total	530 B	400 B	410 B	500 B	400 B	280 B	630 / 636
Mercury, Total	0.042 B	0.041 B	ND	ND	ND	ND	0.89
Nickel, Total	33 B	33 B	39 B	30 B	20 B	7.3 B	100
Potassium, Total	1700	2400	2700	1900	1600	650	---
Sodium, Total	1700 B	790 B	2900 B	2300 B	1300 B	650 B	---
Thallium, Total	ND	0.32 J	ND	ND	ND	ND	2.6
Vanadium, Total	24	21	26	18	14	5.3	550
Zinc, Total	110 B	100 B	70 B	94 B	57 B	18 B	5100
TCLP Metals (mg/kg)							
Barium, TCLP	0.27 J	0.37 J	0.45 J	0.34 J	0.38 J	0.3 J	2
Cadmium, TCLP	ND	ND	ND	ND	0.0025 J	0.002 J	0.005
Cobalt, TCLP	ND	ND	ND	ND	ND	0.017 J	1
Copper, TCLP	ND	0.032	ND	0.035	0.029	ND	0.65
Manganese, TCLP	0.035	0.71	0.29	1.1	1.4	3.7	0.15
Nickel, TCLP	ND	ND	ND	ND	ND	0.02 J	0.1

Summary Table of Soil Analytical Results
Comparison of Detected Constituents to Applicable Reference Concentrations
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-3(0-4)083117	B-3(4-6)083117	B-4(0-4)083117	B-4(4-6)083117	B-8(0-4)083117	B-8(4-7)083117	**Soil Reference Concentrations[A]**
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	
Location ID	B-3	B-3	B-4	B-4	B-8	B-8	
Depth	0 - 4	4 - 6	0 - 4	4 - 6	0 - 4	4 - 7	
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	
Parameter							
SPLP Metals (mg/kg)							
Arsenic, SPLP	0.078	0.023 J	0.095	ND	ND	ND	0.05
Barium, SPLP	0.72	0.21 J	0.66	ND	ND	ND	2
Beryllium, SPLP	0.0057	ND	0.0079	ND	ND	ND	0.004
Cadmium, SPLP	0.0027 J	ND	0.0022 J	ND	ND	ND	0.005
Chromium, SPLP	0.13	0.05	0.16	ND	ND	ND	0.1
Cobalt, SPLP	0.046	0.017 J	0.051	ND	ND	ND	1
Copper, SPLP	0.19	0.067	0.28	ND	ND	ND	0.65
Iron, SPLP	180	62	210	5.3	0.56	ND	5
Lead, SPLP	0.08	0.03	0.097	ND	ND	ND	0.0075
Manganese, SPLP	1.4	0.42	1.1	0.033	ND	ND	0.15
Mercury, SPLP	0.00037	ND	0.0003	ND	ND	ND	0.002
Nickel, SPLP	0.19	0.092	0.27	ND	ND	ND	0.1
Zinc, SPLP	0.66	0.21 J	0.62	0.023 J	0.05 J	ND	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-133400-1
Client Project/Site: IDOT - New Lenox - WO 017

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar

Authorized for release by:
9/12/2017 4:31:57 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

Client Sample ID: B-3(0-4)083117
Date Collected: 08/31/17 08:50
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-4
Matrix: Solid
Percent Solids: 81.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	7.9	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Bromoform	<1.8		1.8	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Carbon disulfide	<4.5		4.5	0.94	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Carbon tetrachloride	<1.8		1.8	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Chlorobenzene	<1.8		1.8	0.67	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Chloroethane	<4.5	*	4.5	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Chloroform	<1.8		1.8	0.63	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
cis-1,2-Dichloroethene	<1.8		1.8	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
cis-1,3-Dichloropropene	<1.8		1.8	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,1-Dichloroethane	<1.8		1.8	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,3-Dichloropropene, Total	<1.8		1.8	0.64	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Ethylbenzene	<1.8		1.8	0.87	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Methyl Ethyl Ketone	<4.5		4.5	2.0	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Styrene	<1.8		1.8	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Tetrachloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
trans-1,2-Dichloroethene	<1.8		1.8	0.80	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
trans-1,3-Dichloropropene	<1.8		1.8	0.64	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,1,1-Trichloroethane	<1.8		1.8	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,1,2-Trichloroethane	<1.8		1.8	0.78	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Vinyl chloride	<1.8		1.8	0.80	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Xylenes, Total	<3.6		3.6	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*75 - 131*	*08/31/17 15:37*	*09/01/17 16:31*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*08/31/17 15:37*	*09/01/17 16:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*08/31/17 15:37*	*09/01/17 16:31*	*1*
Toluene-d8 (Surr)	*99*		*75 - 124*	*08/31/17 15:37*	*09/01/17 16:31*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
1,4-Dichlorobenzene	<210		210	52	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,2'-oxybis[1-chloropropane]	<210		210	47	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-3(0-4)083117
Date Collected: 08/31/17 08:50
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-4
Matrix: Solid
Percent Solids: 81.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	93	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,4-Dichlorophenol	<410		410	97	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,4-Dimethylphenol	<410		410	150	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,6-Dinitrotoluene	<210		210	80	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2-Methylnaphthalene	<82		82	7.5	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2-Methylphenol	<210		210	66	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2-Nitrophenol	<410		410	96	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
3 & 4 Methylphenol	<210		210	68	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
3,3'-Dichlorobenzidine	<210		210	57	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Acenaphthene	<41		41	7.3	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Anthracene	<41		41	6.8	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Benzo[a]anthracene	<41		41	5.5	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Benzo[a]pyrene	<41		41	7.9	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Benzo[b]fluoranthene	<41		41	8.8	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Bis(2-chloroethyl)ether	<210		210	61	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Carbazole	<210		210	100	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Chrysene	<41		41	11	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Dibenz(a,h)anthracene	<41		41	7.9	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Dibenzofuran	<210		210	48	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Diethyl phthalate	<210		210	69	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Dimethyl phthalate	<210		210	53	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Di-n-butyl phthalate	<210		210	62	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Fluoranthene	<41		41	7.6	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Fluorene	<41		41	5.7	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Hexachlorobenzene	<82		82	9.5	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Hexachlorobutadiene	<210		210	64	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Hexachloroethane	<210		210	62	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1

Client Sample ID: B-3(0-4)083117
Date Collected: 08/31/17 08:50
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-4
Matrix: Solid
Percent Solids: 81.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<41		41	11	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Isophorone	<210		210	46	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Naphthalene	<41		41	6.3	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Nitrobenzene	<41		41	10	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
N-Nitrosodi-n-propylamine	<82		82	50	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
N-Nitrosodiphenylamine	<210		210	48	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Pentachlorophenol	<820		820	660	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Phenanthrene	<41		41	5.7	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Phenol	<210		210	91	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Pyrene	<41		41	8.1	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*38*		*25 - 139*	*09/06/17 07:09*	*09/07/17 19:54*	*1*
2-Fluorobiphenyl	*98*		*44 - 121*	*09/06/17 07:09*	*09/07/17 19:54*	*1*
2-Fluorophenol	*101*		*46 - 133*	*09/06/17 07:09*	*09/07/17 19:54*	*1*
Nitrobenzene-d5	*97*		*41 - 120*	*09/06/17 07:09*	*09/07/17 19:54*	*1*
Phenol-d5	*98*		*46 - 125*	*09/06/17 07:09*	*09/07/17 19:54*	*1*
Terphenyl-d14	*100*		*35 - 160*	*09/06/17 07:09*	*09/07/17 19:54*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Barium	**0.27**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:15	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Copper	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:15	1
Manganese	**0.035**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:15	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:15	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.078**		0.050	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Barium	**0.72**		0.50	0.050	mg/L		09/05/17 07:32	09/05/17 23:49	1
Beryllium	**0.0057**		0.0040	0.0040	mg/L		09/05/17 07:32	09/05/17 23:49	1
Cadmium	**0.0027**	**J**	0.0050	0.0020	mg/L		09/05/17 07:32	09/05/17 23:49	1
Chromium	**0.13**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Cobalt	**0.046**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Copper	**0.19**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Iron	**180**		0.40	0.20	mg/L		09/05/17 07:32	09/05/17 23:49	1
Lead	**0.080**		0.0075	0.0075	mg/L		09/05/17 07:32	09/05/17 23:49	1
Manganese	**1.4**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Nickel	**0.19**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/05/17 23:49	1

Client Sample ID: B-3(0-4)083117
Date Collected: 08/31/17 08:50
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-4
Matrix: Solid
Percent Solids: 81.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Zinc	**0.66**		0.50	0.020	mg/L		09/05/17 07:32	09/05/17 23:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Arsenic	**13**		0.61	0.21	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Barium	**64**		0.61	0.070	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Beryllium	**0.63**		0.24	0.057	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Cadmium	**0.30**	**B**	0.12	0.022	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Calcium	**1700**	**B**	12	2.1	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Chromium	**16**		0.61	0.30	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Cobalt	**13**		0.31	0.080	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Copper	**26**		0.61	0.17	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Iron	**25000**	**B**	12	6.4	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Lead	**17**		0.31	0.14	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Magnesium	**3200**	**B**	6.1	3.0	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Manganese	**530**	**B**	0.61	0.089	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Nickel	**33**	**B**	0.61	0.18	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Potassium	**1700**		31	11	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Selenium	<0.61		0.61	0.36	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Silver	<0.31		0.31	0.079	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Sodium	**1700**	**B**	61	9.1	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Thallium	<0.61		0.61	0.31	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Vanadium	**24**		0.31	0.072	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Zinc	**110**	**B**	1.2	0.54	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:50	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.37**		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**42**	**B**	19	6.4	ug/Kg	☼	09/01/17 15:50	09/05/17 11:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.54		0.54	0.18	mg/Kg	☼	09/05/17 12:44	09/05/17 16:08	1
pH	**7.4**		0.20	0.20	SU			09/06/17 15:30	1
Chloride	**1900**		61	52	mg/Kg	☼	09/07/17 10:45	09/09/17 04:14	25
Fluoride	<2.4		2.4	0.81	mg/Kg	☼	09/07/17 10:45	09/07/17 13:54	1
Sulfate	**66**	**B**	2.4	1.2	mg/Kg	☼	09/07/17 10:45	09/07/17 13:54	1

Client Sample ID: B-3(4-6)083117
Date Collected: 08/31/17 08:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-5
Matrix: Solid
Percent Solids: 82.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.3	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Chloroethane	<4.2	*	4.2	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Methylene Chloride	<4.2		4.2	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,1,2-Trichloroethane	<1.7		1.7	0.72	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*75 - 131*	*08/31/17 15:37*	*09/01/17 16:57*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*08/31/17 15:37*	*09/01/17 16:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*08/31/17 15:37*	*09/01/17 16:57*	*1*
Toluene-d8 (Surr)	*100*		*75 - 124*	*08/31/17 15:37*	*09/01/17 16:57*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1

Client Sample ID: B-3(4-6)083117
Date Collected: 08/31/17 08:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-5
Matrix: Solid
Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2-Methylnaphthalene	<81		81	7.3	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Anthracene	<40		40	6.7	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Benzo[b]fluoranthene	<40		40	8.6	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Carbazole	<200		200	100	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Chrysene	<40		40	11	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Fluorene	<40		40	5.6	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Hexachloroethane	<200		200	61	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1

Client Sample ID: B-3(4-6)083117
Date Collected: 08/31/17 08:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-5
Matrix: Solid
Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Isophorone	<200		200	45	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Naphthalene	<40		40	6.1	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Phenol	<200		200	89	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Pyrene	<40		40	7.9	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*49*		*25 - 139*	*09/06/17 07:09*	*09/07/17 20:21*	*1*
2-Fluorobiphenyl	*98*		*44 - 121*	*09/06/17 07:09*	*09/07/17 20:21*	*1*
2-Fluorophenol	*95*		*46 - 133*	*09/06/17 07:09*	*09/07/17 20:21*	*1*
Nitrobenzene-d5	*100*		*41 - 120*	*09/06/17 07:09*	*09/07/17 20:21*	*1*
Phenol-d5	*95*		*46 - 125*	*09/06/17 07:09*	*09/07/17 20:21*	*1*
Terphenyl-d14	*99*		*35 - 160*	*09/06/17 07:09*	*09/07/17 20:21*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:19	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Copper	**0.032**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:19	1
Manganese	**0.71**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:19	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:19	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.023**	**J**	0.050	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		09/05/17 07:32	09/05/17 23:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/05/17 23:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/05/17 23:53	1
Chromium	**0.050**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Copper	**0.067**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Iron	**62**		0.40	0.20	mg/L		09/05/17 07:32	09/05/17 23:53	1
Lead	**0.030**		0.0075	0.0075	mg/L		09/05/17 07:32	09/05/17 23:53	1
Manganese	**0.42**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Nickel	**0.092**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/05/17 23:53	1

Client Sample ID: B-3(4-6)083117
Date Collected: 08/31/17 08:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-5
Matrix: Solid
Percent Solids: 82.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Zinc	**0.21**	**J**	0.50	0.020	mg/L		09/05/17 07:32	09/05/17 23:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Arsenic	**11**		0.56	0.19	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Barium	**41**		0.56	0.063	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Beryllium	**0.67**		0.22	0.052	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Cadmium	**0.32**	**B**	0.11	0.020	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Calcium	**29000**	**B**	11	1.9	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Chromium	**15**		0.56	0.28	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Cobalt	**12**		0.28	0.073	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Copper	**28**		0.56	0.16	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Iron	**23000**	**B**	11	5.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Lead	**17**		0.28	0.13	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Magnesium	**21000**	**B**	5.6	2.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Manganese	**400**	**B**	0.56	0.081	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Nickel	**33**	**B**	0.56	0.16	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Potassium	**2400**		28	9.9	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Sodium	**790**	**B**	56	8.2	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Thallium	**0.32**	**J**	0.56	0.28	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Vanadium	**21**		0.28	0.066	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Zinc	**100**	**B**	1.1	0.49	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:51	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**41**	**B**	18	6.1	ug/Kg	☼	09/01/17 15:50	09/05/17 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.20	mg/Kg	☼	09/05/17 12:44	09/05/17 16:09	1
pH	**7.6**		0.20	0.20	SU			09/06/17 15:33	1
Chloride	**1300**		48	41	mg/Kg	☼	09/07/17 10:45	09/08/17 02:34	20
Fluoride	**2.3**	**J**	2.4	0.80	mg/Kg	☼	09/07/17 10:45	09/07/17 14:32	1
Sulfate	**19**	**B**	2.4	1.1	mg/Kg	☼	09/07/17 10:45	09/07/17 14:32	1

Client Sample ID: B-4(0-4)083117
Date Collected: 08/31/17 09:15
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-6
Matrix: Solid
Percent Solids: 80.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	7.6	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Bromoform	<1.8		1.8	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Carbon disulfide	<4.4		4.4	0.91	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Chloroethane	<4.4	*	4.4	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Chloroform	<1.8		1.8	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
cis-1,2-Dichloroethene	<1.8		1.8	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Dibromochloromethane	<1.8		1.8	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,1-Dichloroethane	<1.8		1.8	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,1-Dichloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,2-Dichloropropane	<1.8		1.8	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,3-Dichloropropene, Total	<1.8		1.8	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Ethylbenzene	<1.8		1.8	0.84	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Methyl Ethyl Ketone	<4.4		4.4	1.9	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Methyl tert-butyl ether	<1.8		1.8	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Styrene	<1.8		1.8	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Toluene	<1.8		1.8	0.44	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
trans-1,2-Dichloroethene	<1.8		1.8	0.78	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
trans-1,3-Dichloropropene	<1.8		1.8	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,1,1-Trichloroethane	<1.8		1.8	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,1,2-Trichloroethane	<1.8		1.8	0.75	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Trichloroethene	<1.8		1.8	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Vinyl chloride	<1.8		1.8	0.77	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*75 - 131*	*08/31/17 15:37*	*09/01/17 17:22*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*08/31/17 15:37*	*09/01/17 17:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*08/31/17 15:37*	*09/01/17 17:22*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*08/31/17 15:37*	*09/01/17 17:22*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1

Client Sample ID: B-4(0-4)083117
Date Collected: 08/31/17 09:15
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-6
Matrix: Solid
Percent Solids: 80.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2-Methylphenol	<200		200	63	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Anthracene	<39		39	6.5	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Carbazole	<200		200	98	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Chrysene	<39		39	11	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Fluorene	<39		39	5.5	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Hexachloroethane	<200		200	59	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1

Client Sample ID: B-4(0-4)083117
Date Collected: 08/31/17 09:15
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-6
Matrix: Solid
Percent Solids: 80.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Isophorone	<200		200	44	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Naphthalene	<39		39	6.0	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Phenol	<200		200	87	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Pyrene	<39		39	7.8	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*36*		*25 - 139*	*09/06/17 07:09*	*09/07/17 15:27*	*1*
2-Fluorobiphenyl	*82*		*44 - 121*	*09/06/17 07:09*	*09/07/17 15:27*	*1*
2-Fluorophenol	*90*		*46 - 133*	*09/06/17 07:09*	*09/07/17 15:27*	*1*
Nitrobenzene-d5	*85*		*41 - 120*	*09/06/17 07:09*	*09/07/17 15:27*	*1*
Phenol-d5	*89*		*46 - 125*	*09/06/17 07:09*	*09/07/17 15:27*	*1*
Terphenyl-d14	*99*		*35 - 160*	*09/06/17 07:09*	*09/07/17 15:27*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:23	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Copper	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:23	1
Manganese	**0.29**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:23	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:23	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.095**		0.050	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Barium	**0.66**		0.50	0.050	mg/L		09/05/17 07:32	09/05/17 23:57	1
Beryllium	**0.0079**		0.0040	0.0040	mg/L		09/05/17 07:32	09/05/17 23:57	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/05/17 07:32	09/05/17 23:57	1
Chromium	**0.16**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Cobalt	**0.051**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Copper	**0.28**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Iron	**210**		0.40	0.20	mg/L		09/05/17 07:32	09/05/17 23:57	1
Lead	**0.097**		0.0075	0.0075	mg/L		09/05/17 07:32	09/05/17 23:57	1
Manganese	**1.1**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Nickel	**0.27**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/05/17 23:57	1

Client Sample ID: B-4(0-4)083117
Date Collected: 08/31/17 09:15
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-6
Matrix: Solid
Percent Solids: 80.9

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Zinc	**0.62**		0.50	0.020	mg/L		09/05/17 07:32	09/05/17 23:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Arsenic	**9.1**		0.57	0.20	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Barium	**79**		0.57	0.065	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Beryllium	**0.77**		0.23	0.053	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Cadmium	**0.25**	**B**	0.11	0.021	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Calcium	**21000**	**B**	11	1.9	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Chromium	**19**		0.57	0.28	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Cobalt	**14**		0.29	0.075	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Copper	**26**		0.57	0.16	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Iron	**23000**	**B**	11	5.9	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Lead	**16**		0.29	0.13	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Magnesium	**17000**	**B**	5.7	2.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Manganese	**410**	**B**	0.57	0.083	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Nickel	**39**	**B**	0.57	0.17	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Potassium	**2700**		29	10	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Silver	<0.29		0.29	0.074	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Sodium	**2900**	**B**	57	8.4	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Vanadium	**26**		0.29	0.067	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Zinc	**70**	**B**	1.1	0.50	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:56	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.30**		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**36**	**B**	20	6.6	ug/Kg	☼	09/01/17 15:50	09/05/17 11:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.53		0.53	0.18	mg/Kg	☼	09/05/17 12:44	09/05/17 16:09	1
pH	**7.5**		0.20	0.20	SU			09/06/17 15:36	1
Chloride	**2300**		120	98	mg/Kg	☼	09/07/17 10:45	09/08/17 02:46	50
Fluoride	**7.2**		2.3	0.78	mg/Kg	☼	09/07/17 10:45	09/07/17 14:44	1
Sulfate	**65**	**B**	2.3	1.1	mg/Kg	☼	09/07/17 10:45	09/07/17 14:44	1

Client Sample ID: B-4(4-6)083117
Date Collected: 08/31/17 09:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-7
Matrix: Solid
Percent Solids: 85.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.7	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Carbon disulfide	<3.8		3.8	0.80	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Chloroethane	<3.8	*	3.8	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*75 - 131*	*08/31/17 15:37*	*09/01/17 17:47*	*1*
Dibromofluoromethane	*102*		*75 - 126*	*08/31/17 15:37*	*09/01/17 17:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*08/31/17 15:37*	*09/01/17 17:47*	*1*
Toluene-d8 (Surr)	*100*		*75 - 124*	*08/31/17 15:37*	*09/01/17 17:47*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1

Client Sample ID: B-4(4-6)083117
Date Collected: 08/31/17 09:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-7
Matrix: Solid
Percent Solids: 85.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2-Methylphenol	<190		190	62	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Acenaphthene	<38		38	7.0	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Anthracene	<38		38	6.5	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Benzo[b]fluoranthene	<38		38	8.4	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Carbazole	<190		190	97	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Chrysene	<38		38	11	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Hexachloroethane	<190		190	59	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1

Client Sample ID: B-4(4-6)083117
Date Collected: 08/31/17 09:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-7
Matrix: Solid
Percent Solids: 85.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Isophorone	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Naphthalene	<38		38	6.0	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Phenol	<190		190	86	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Pyrene	<38		38	7.7	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*40*		*25 - 139*	*09/06/17 07:09*	*09/07/17 18:34*	*1*
2-Fluorobiphenyl	*91*		*44 - 121*	*09/06/17 07:09*	*09/07/17 18:34*	*1*
2-Fluorophenol	*95*		*46 - 133*	*09/06/17 07:09*	*09/07/17 18:34*	*1*
Nitrobenzene-d5	*90*		*41 - 120*	*09/06/17 07:09*	*09/07/17 18:34*	*1*
Phenol-d5	*95*		*46 - 125*	*09/06/17 07:09*	*09/07/17 18:34*	*1*
Terphenyl-d14	*96*		*35 - 160*	*09/06/17 07:09*	*09/07/17 18:34*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:27	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Copper	**0.035**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:27	1
Manganese	**1.1**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:27	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:27	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Barium	<0.50		0.50	0.050	mg/L		09/05/17 07:32	09/06/17 00:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/06/17 00:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/06/17 00:01	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Copper	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Iron	**5.3**		0.40	0.20	mg/L		09/05/17 07:32	09/06/17 00:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/06/17 00:01	1
Manganese	**0.033**		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/06/17 00:01	1

Client Sample ID: B-4(4-6)083117
Date Collected: 08/31/17 09:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-7
Matrix: Solid
Percent Solids: 85.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Zinc	**0.023**	**J**	0.50	0.020	mg/L		09/05/17 07:32	09/06/17 00:01	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Arsenic	**12**		0.57	0.20	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Barium	**42**		0.57	0.065	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Beryllium	**0.52**		0.23	0.053	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Cadmium	**0.41**	**B**	0.11	0.021	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Calcium	**31000**	**B**	11	1.9	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Chromium	**12**		0.57	0.28	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Cobalt	**12**		0.29	0.075	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Copper	**27**		0.57	0.16	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Iron	**21000**	**B**	11	6.0	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Lead	**16**		0.29	0.13	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Magnesium	**21000**	**B**	5.7	2.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Manganese	**500**	**B**	0.57	0.083	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Nickel	**30**	**B**	0.57	0.17	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Potassium	**1900**		29	10	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Silver	<0.29		0.29	0.074	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Sodium	**2300**	**B**	57	8.5	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Thallium	<0.57		0.57	0.29	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Vanadium	**18**		0.29	0.068	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Zinc	**94**	**B**	1.1	0.50	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:57	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**26**	**B**	18	5.9	ug/Kg	☼	09/01/17 15:50	09/05/17 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.19	mg/Kg	☼	09/05/17 12:44	09/05/17 16:09	1
pH	**7.4**		0.20	0.20	SU			09/06/17 15:39	1
Chloride	**3000**		230	190	mg/Kg	☼	09/07/17 10:45	09/08/17 02:59	100
Fluoride	<2.3		2.3	0.76	mg/Kg	☼	09/07/17 10:45	09/07/17 14:57	1
Sulfate	**31**	**B**	2.3	1.1	mg/Kg	☼	09/07/17 10:45	09/07/17 14:57	1

Client Sample ID: B-8(0-4)083117
Date Collected: 08/31/17 10:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-11
Matrix: Solid
Percent Solids: 87.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Benzene	<1.7		1.7	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Bromoform	<1.7		1.7	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Bromomethane	<4.1		4.1	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Carbon disulfide	<4.1		4.1	0.86	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Chlorobenzene	<1.7		1.7	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Chloroethane	<4.1	*	4.1	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Chloromethane	<4.1		4.1	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
cis-1,2-Dichloroethene	<1.7		1.7	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Dibromochloromethane	<1.7		1.7	0.54	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,3-Dichloropropene, Total	<1.7		1.7	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Ethylbenzene	<1.7		1.7	0.79	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Tetrachloroethene	<1.7		1.7	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
trans-1,3-Dichloropropene	<1.7		1.7	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,1,2-Trichloroethane	<1.7		1.7	0.71	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Vinyl chloride	<1.7		1.7	0.73	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*75 - 131*	*08/31/17 15:37*	*09/01/17 19:28*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*08/31/17 15:37*	*09/01/17 19:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*08/31/17 15:37*	*09/01/17 19:28*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*08/31/17 15:37*	*09/01/17 19:28*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1

Client Sample ID: B-8(0-4)083117
Date Collected: 08/31/17 10:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-11
Matrix: Solid
Percent Solids: 87.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Anthracene	<37		37	6.3	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Benzo[a]anthracene	**12**	**J**	37	5.0	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Benzo[a]pyrene	**15**	**J**	37	7.3	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Benzo[b]fluoranthene	**17**	**J**	37	8.1	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Carbazole	<190		190	94	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Chrysene	**12**	**J**	37	10	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Fluoranthene	**19**	**J**	37	7.0	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Fluorene	<37		37	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1

Client Sample ID: B-8(0-4)083117
Date Collected: 08/31/17 10:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-11
Matrix: Solid
Percent Solids: 87.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**10**	**J**	37	9.7	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Isophorone	<190		190	42	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Naphthalene	<37		37	5.8	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Phenanthrene	**13**	**J**	37	5.2	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Phenol	<190		190	83	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Pyrene	**21**	**J**	37	7.5	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*35*		*25 - 139*	*09/06/17 07:09*	*09/07/17 16:47*	*1*
2-Fluorobiphenyl	*83*		*44 - 121*	*09/06/17 07:09*	*09/07/17 16:47*	*1*
2-Fluorophenol	*88*		*46 - 133*	*09/06/17 07:09*	*09/07/17 16:47*	*1*
Nitrobenzene-d5	*87*		*41 - 120*	*09/06/17 07:09*	*09/07/17 16:47*	*1*
Phenol-d5	*86*		*46 - 125*	*09/06/17 07:09*	*09/07/17 16:47*	*1*
Terphenyl-d14	*93*		*35 - 160*	*09/06/17 07:09*	*09/07/17 16:47*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:44	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:44	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Copper	**0.029**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:44	1
Manganese	**1.4**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:44	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:44	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Barium	<0.50		0.50	0.050	mg/L		09/05/17 07:32	09/06/17 00:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/06/17 00:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/06/17 00:17	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Copper	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Iron	**0.56**		0.40	0.20	mg/L		09/05/17 07:32	09/06/17 00:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/06/17 00:17	1
Manganese	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/06/17 00:17	1

Client Sample ID: B-8(0-4)083117
Date Collected: 08/31/17 10:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-11
Matrix: Solid
Percent Solids: 87.4

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Zinc	**0.050**	**J**	0.50	0.020	mg/L		09/05/17 07:32	09/06/17 00:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.20	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Arsenic	**9.4**		0.53	0.18	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Barium	**33**		0.53	0.060	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Beryllium	**0.41**		0.21	0.049	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Cadmium	**0.33**	**B**	0.11	0.019	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Calcium	**160000**	**B**	110	18	mg/Kg	☼	09/01/17 16:31	09/05/17 17:02	10
Chromium	**9.6**		0.53	0.26	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Cobalt	**8.5**		0.26	0.069	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Copper	**18**		0.53	0.15	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Iron	**15000**	**B**	11	5.5	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Lead	**12**		0.26	0.12	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Magnesium	**45000**	**B**	5.3	2.6	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Manganese	**400**	**B**	0.53	0.076	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Nickel	**20**	**B**	0.53	0.15	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Potassium	**1600**		26	9.3	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Silver	<0.26		0.26	0.068	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Sodium	**1300**	**B**	53	7.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Vanadium	**14**		0.26	0.062	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Zinc	**57**	**B**	1.1	0.46	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:03	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**	**B**	18	5.9	ug/Kg	☼	09/01/17 15:50	09/05/17 11:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.54		0.54	0.19	mg/Kg	☼	09/08/17 11:40	09/09/17 15:06	1
pH	**7.7**		0.20	0.20	SU			09/06/17 15:51	1
Chloride	**2200**		220	190	mg/Kg	☼	09/07/17 10:45	09/08/17 04:02	100
Fluoride	**1.1**	**J**	2.2	0.74	mg/Kg	☼	09/07/17 10:45	09/07/17 15:48	1
Sulfate	**87**	**B**	2.2	1.0	mg/Kg	☼	09/07/17 10:45	09/07/17 15:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-8(4-7)083117
Date Collected: 08/31/17 11:00
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-12
Matrix: Solid
Percent Solids: 92.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.5	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Carbon disulfide	<3.7		3.7	0.77	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Chloroethane	<3.7	*	3.7	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Chloroform	<1.5		1.5	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Ethylbenzene	<1.5		1.5	0.71	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Methyl Ethyl Ketone	<3.7		3.7	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Trichloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Xylenes, Total	<3.0		3.0	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*75 - 131*	*08/31/17 15:37*	*09/01/17 19:52*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*08/31/17 15:37*	*09/01/17 19:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*08/31/17 15:37*	*09/01/17 19:52*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*08/31/17 15:37*	*09/01/17 19:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	37	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1

Client Sample ID: B-8(4-7)083117
Date Collected: 08/31/17 11:00
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-12
Matrix: Solid
Percent Solids: 92.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	79	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,4-Dinitrophenol	<690		690	610	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2-Methylnaphthalene	<69		69	6.3	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2-Methylphenol	<170		170	55	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2-Nitrophenol	<340		340	81	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4,6-Dinitro-2-methylphenol	<690		690	280	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4-Nitrophenol	<690		690	330	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Anthracene	<34		34	5.8	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Benzo[a]anthracene	**10**	**J**	34	4.6	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Benzo[a]pyrene	**11**	**J**	34	6.7	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Benzo[b]fluoranthene	**12**	**J**	34	7.4	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Benzo[g,h,i]perylene	<34		34	11	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Benzo[k]fluoranthene	<34		34	10	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Butyl benzyl phthalate	<170		170	65	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Carbazole	<170		170	86	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Chrysene	**9.4**	**J**	34	9.4	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Dibenz(a,h)anthracene	<34		34	6.7	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Dibenzofuran	<170		170	40	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Fluoranthene	**15**	**J**	34	6.4	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Fluorene	<34		34	4.8	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Hexachlorobenzene	<69		69	8.0	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Hexachlorocyclopentadiene	<690		690	200	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Hexachloroethane	<170		170	52	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1

Client Sample ID: B-8(4-7)083117
Date Collected: 08/31/17 11:00
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-12
Matrix: Solid
Percent Solids: 92.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<34		34	8.9	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Isophorone	<170		170	39	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Naphthalene	<34		34	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
N-Nitrosodi-n-propylamine	<69		69	42	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Phenanthrene	**11**	**J**	34	4.8	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Phenol	<170		170	76	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Pyrene	**18**	**J**	34	6.8	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*36*		*25 - 139*	*09/06/17 07:09*	*09/07/17 17:14*	*1*
2-Fluorobiphenyl	*84*		*44 - 121*	*09/06/17 07:09*	*09/07/17 17:14*	*1*
2-Fluorophenol	*89*		*46 - 133*	*09/06/17 07:09*	*09/07/17 17:14*	*1*
Nitrobenzene-d5	*85*		*41 - 120*	*09/06/17 07:09*	*09/07/17 17:14*	*1*
Phenol-d5	*89*		*46 - 125*	*09/06/17 07:09*	*09/07/17 17:14*	*1*
Terphenyl-d14	*95*		*35 - 160*	*09/06/17 07:09*	*09/07/17 17:14*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:48	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:48	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Copper	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:48	1
Manganese	**3.7**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:48	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:48	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Barium	<0.50		0.50	0.050	mg/L		09/05/17 07:32	09/06/17 00:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/06/17 00:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/06/17 00:21	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Copper	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Iron	<0.40		0.40	0.20	mg/L		09/05/17 07:32	09/06/17 00:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/06/17 00:21	1
Manganese	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/06/17 00:21	1

Client Sample ID: B-8(4-7)083117
Date Collected: 08/31/17 11:00
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-12
Matrix: Solid
Percent Solids: 92.7

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Zinc	<0.50		0.50	0.020	mg/L		09/05/17 07:32	09/06/17 00:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.20	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Arsenic	**3.5**		0.51	0.17	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Barium	**15**		0.51	0.058	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Beryllium	**0.15**	**J**	0.20	0.048	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Cadmium	**0.18**	**B**	0.10	0.018	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Calcium	**270000**	**B**	100	17	mg/Kg	☼	09/01/17 16:31	09/05/17 17:06	10
Chromium	**3.4**		0.51	0.25	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Cobalt	**2.8**		0.26	0.067	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Copper	**7.1**		0.51	0.14	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Iron	**7900**	**B**	10	5.3	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Lead	**3.4**		0.26	0.12	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Magnesium	**170000**	**B**	51	25	mg/Kg	☼	09/01/17 16:31	09/05/17 17:06	10
Manganese	**280**	**B**	0.51	0.074	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Nickel	**7.3**	**B**	0.51	0.15	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Potassium	**650**		26	9.1	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Selenium	<0.51		0.51	0.30	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Silver	<0.26		0.26	0.066	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Sodium	**650**	**B**	51	7.6	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Thallium	<0.51		0.51	0.26	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Vanadium	**5.3**		0.26	0.060	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Zinc	**18**	**B**	1.0	0.45	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:04	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**9.8**	**J B**	18	5.9	ug/Kg	☼	09/01/17 15:50	09/05/17 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.53		0.53	0.18	mg/Kg	☼	09/08/17 11:40	09/09/17 15:07	1
pH	**7.9**		0.20	0.20	SU			09/06/17 15:54	1
Chloride	**1400**		110	90	mg/Kg	☼	09/07/17 10:45	09/08/17 04:15	50
Fluoride	<2.1		2.1	0.71	mg/Kg	☼	09/07/17 10:45	09/07/17 16:00	1
Sulfate	**64**	**B**	2.1	1.0	mg/Kg	☼	09/07/17 10:45	09/07/17 16:00	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: S. BABUSUKUMAR
Company: WESTON SOLUTIONS
Address: 300 PLAZA CIRCLE #202
Address: MUNDELEIN, IL 60060
Phone: 224, 864, 7250
Fax:
E-Mail:

(optional)
Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

500-133400 COC

Chain of Custody Record

Lab Job #: 500 - 133400
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: (4.6)(3.4)

Client: WESTON SOLUTIONS
Client Project #: 02056.015.017.0020
Project Name: IDOT - NEW LENOX YARD
Project Location/State: NEW LENOX, IL
Lab Project #:
Sampler: AJ HORD
Lab PM: R. WRIGHT

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	9	7	7	7	7	7	7			Comments
							Parameter	VOCs	SVOCs	TOTAL METALS	TCLP METALS	SPLP METALS	pH	CHLORIDE FLUORIDE SULFATE			
1		B-2(0-4)-083117	8.31.17	0830	6	S		X	X	X	X	X	X	X			
2		B-2(0-4)083117D		0830	6	S		X	X	X	X	X	X	X			
3		B-2(4-8)083117		0840	6	S		X	X	X	X	X	X	X			
4		B-3(0-4)-083117		0850	6	S		X	X	X	X	X	X	X			
5		B-3(4-6)-083117		0855	6	S		X	X	X	X	X	X	X			
6		B-4(0-4)-083117		0915	6	S		X	X	X	X	X	X	X			
7		B-4(4-6)-083117		0920	6	S		X	X	X	X	X	X	X			
8		B-5(0-5)-083117		0945	6	S		X	X	X	X	X	X	X			
9		B-6(0-4)-083117		1005	6	S		X	X	X	X	X	X	X			
10		B-7(0-3)-083117		1025	6	S		X	X	X	X	X	X	X			

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days X 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date: _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Company	Date	Time		Company	Date	Time
Relinquished By	Weston	8/31/17	12:55	Received By	TA	8/31/17	1255
Relinquished By	TA	8/31/17	1340	Received By	TA	08/31/17	1340
Relinquished By				Received By			

Lab Courier: ✓
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: S. BABUSUKUMAR
Company: WESTON SOLUTIONS
Address: 300 PLAZA CIRCLE H202
Address: MUNDELEIN, IL 60060
Phone: 224, 864, 7250
Fax:
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500 - 133400
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: WESTON SOLUTIONS
Client Project #: 02056.015.017.0020
Project Name: IDOT - NEW LENOX YARD
Project Location/State: NEW LENOX, IL
Lab Project #:
Sampler: AJ HORD
Lab PM: R. WRIGHT

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	9	7	7	7	7	7	7	7		Comments
							Parameter	VOCs	SVOCs	TOTAL METALS	TCLP METALS	SPLP METALS	PH	CHLORIDE FLUORIDE SULFATE	DISSOLVED ORGANICS		
11		B-8(0-4)-083117	8.31.17	1055	6	S		X	X	X	X	X	X	X			
12		B-8(4-7)-083117		1100	6	S		X	X	X	X	X	X	X			
13		DISPOSAL-083117		1115	2	S									X		
14		B-1(0-4)-083117		1120	6	S		X	X	X	X	X	X	X			
15		B-1(4-7)-083117		1125	6	S		X	X	X	X	X	X	X			
16		B-1(4-7)-083117D		1125	6	S		X	X	X	X	X	X	X			
		LAST ITEM															AS

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days X 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	WESTON	8/31/17	12:55	[signature]	TA	8/31/17	1255
[signature]	WESTON	8/31/17	1340	[signature]	TA	08/31/17	1340
[signature]	Company	Date	Time	Received By	Company	Date	Time

Lab Courier ✓
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-560(1209)

APPENDIX C

ANALYTICAL DATA TABLES

Abbreviations:

B	Analyte was detected in the blank and sample.
J	Estimated value.
J+	Estimated value, biased high.
J-	Estimated value, biased low.
U	Analyte not detected; reporting limit is presented.

Table C-1
Summary of VOCs - Soil
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-1(0-4)083117	B-1(4-7)083117	B-1(4-7)083117D	B-2(0-4)083117	B-2(0-4)083117D	B-2(4-8)083117	B-3(0-4)083117	B-3(4-6)083117	B-4(0-4)083117
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017
Location ID	B-1	B-1	B-1	B-2	B-2	B-2	B-3	B-3	B-4
Depth	0 - 4	4 - 7	4 - 7	0 - 4	0 - 4	4 - 8	0 - 4	4 - 6	0 - 4
Lab Sample ID	500-133400-14	500-133400-15	500-133400-16	500-133400-1	500-133400-2	500-133400-3	500-133400-4	500-133400-5	500-133400-6
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136
Parameter									
VOCs (ug/kg)									
1,1,1-Trichloroethane	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
1,1,2,2-Tetrachloroethane	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
1,1,2-Trichloroethane	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
1,1-Dichloroethane	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
1,1-Dichloroethene	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
1,2-Dichloroethane	4.6 U	4.3 U	4.1 U	4 U	4.3 U	3.5 U	4.5 U	4.2 U	4.4 U
1,2-Dichloropropane	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
1,3-Dichloropropene, Total	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
2-Hexanone	4.6 U	4.3 U	4.1 U	4 U	4.3 U	3.5 U	4.5 U	4.2 U	4.4 U
4-Methyl-2-pentanone	4.6 U	4.3 U	4.1 U	4 U	4.3 U	3.5 U	4.5 U	4.2 U	4.4 U
Acetone	18 U	17 U	16 U	16 U	17 U	14 U	18 U	17 U	18 U
Benzene	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Bromodichloromethane	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Bromoform	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Bromomethane	4.6 U	4.3 U	4.1 U	4 U	4.3 U	3.5 U	4.5 U	4.2 U	4.4 U
Carbon disulfide	4.6 U	4.3 U	4.1 U	4 U	4.3 U	3.5 U	4.5 U	4.2 U	4.4 U
Carbon tetrachloride	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Chlorobenzene	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Chloroethane	4.6 UJ	4.3 UJ	4.1 UJ	4 UJ	4.3 UJ	3.5 UJ	4.5 UJ	4.2 UJ	4.4 UJ
Chloroform	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Chloromethane	4.6 U	4.3 U	4.1 U	4 U	4.3 U	3.5 U	4.5 U	4.2 U	4.4 U
cis-1,2-Dichloroethene	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
cis-1,3-Dichloropropene	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Dibromochloromethane	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Ethylbenzene	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Methyl ethyl ketone	4.6 U	4.3 U	4.1 U	4 U	4.3 U	3.5 U	4.5 U	4.2 U	4.4 U
Methyl tert-butyl ether	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Methylene chloride	4.6 U	4.3 U	4.1 U	4 U	4.3 U	3.5 U	4.5 U	4.2 U	4.4 U
Styrene	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Tetrachloroethene	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Toluene	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
trans-1,2-Dichloroethene	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
trans-1,3-Dichloropropene	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Trichloroethene	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Vinyl Chloride	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.4 U	1.8 U	1.7 U	1.8 U
Xylene (Total)	3.6 U	3.5 U	3.3 U	3.2 U	3.5 U	2.8 U	3.6 U	3.3 U	3.5 U

Table C-1
Summary of VOCs - Soil
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-4(4-6)083117	B-5(0-5)083117	B-6(0-4)083117	B-7(0-3)083117	B-8(0-4)083117	B-8(4-7)083117
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017
Location ID	B-4	B-5	B-6	B-7	B-8	B-8
Depth	4 - 6	0 - 5	0 - 4	0 - 3	0 - 4	4 - 7
Lab Sample ID	500-133400-7	500-133400-8	500-133400-9	500-133400-10	500-133400-11	500-133400-12
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136
Parameter						
VOCs (ug/kg)						
1,1,1-Trichloroethane	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
1,1,2,2-Tetrachloroethane	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
1,1,2-Trichloroethane	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
1,1-Dichloroethane	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
1,1-Dichloroethene	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
1,2-Dichloroethane	3.8 U	4.1 U	3.6 U	4 U	4.1 U	3.7 U
1,2-Dichloropropane	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
1,3-Dichloropropene, Total	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
2-Hexanone	3.8 U	4.1 U	3.6 U	4 U	4.1 U	3.7 U
4-Methyl-2-pentanone	3.8 U	4.1 U	3.6 U	4 U	4.1 U	3.7 U
Acetone	15 U	16 U	14 U	16 U	17 U	15 U
Benzene	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Bromodichloromethane	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Bromoform	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Bromomethane	3.8 U	4.1 U	3.6 U	4 U	4.1 U	3.7 U
Carbon disulfide	3.8 U	4.1 U	3.6 U	4 U	4.1 U	3.7 U
Carbon tetrachloride	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Chlorobenzene	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Chloroethane	3.8 UJ	4.1 UJ	3.6 UJ	4 UJ	4.1 UJ	3.7 UJ
Chloroform	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Chloromethane	3.8 U	4.1 U	3.6 U	4 U	4.1 U	3.7 U
cis-1,2-Dichloroethene	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
cis-1,3-Dichloropropene	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Dibromochloromethane	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Ethylbenzene	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Methyl ethyl ketone	3.8 U	4.1 U	3.6 U	4 U	4.1 U	3.7 U
Methyl tert-butyl ether	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Methylene chloride	3.8 U	4.1 U	3.6 U	4 U	4.1 U	3.7 U
Styrene	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Tetrachloroethene	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Toluene	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
trans-1,2-Dichloroethene	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
trans-1,3-Dichloropropene	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Trichloroethene	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Vinyl Chloride	1.5 U	1.6 U	1.4 U	1.6 U	1.7 U	1.5 U
Xylene (Total)	3.1 U	3.2 U	2.9 U	3.2 U	3.3 U	3 U

Table C-2
Summary of SVOCs - Soil
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-1(0-4)083117	B-1(4-7)083117	B-1(4-7)083117D	B-2(0-4)083117	B-2(0-4)083117D
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017
Location ID	B-1	B-1	B-1	B-2	B-2
Depth	0 - 4	4 - 7	4 - 7	0 - 4	0 - 4
Lab Sample ID	500-133400-14	500-133400-15	500-133400-16	500-133400-1	500-133400-2
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136
Parameter					
SVOCs (ug/kg)					
1,2,4-Trichlorobenzene, SVOC	200 U	190 U	180 U	200 U	200 U
1,2-Dichlorobenzene, SVOC	200 U	190 U	180 U	200 U	200 U
1,3-Dichlorobenzene, SVOC	200 U	190 U	180 U	200 U	200 U
1,4-Dichlorobenzene, SVOC	200 U	190 U	180 U	200 U	200 U
2,2-oxybis[1-chloropropane]	200 U	190 U	180 U	200 U	200 U
2,4,5-Trichlorophenol	400 U	380 U	360 U	400 U	400 U
2,4,6-Trichlorophenol	400 U	380 U	360 U	400 U	400 U
2,4-Dichlorophenol	400 U	380 U	360 U	400 U	400 U
2,4-Dimethylphenol	400 U	380 U	360 U	400 U	400 U
2,4-Dinitrophenol	810 U	760 U	730 U	810 R	820 U
2,4-Dinitrotoluene	200 U	190 U	180 U	200 U	200 U
2,6-Dinitrotoluene	200 U	190 U	180 U	200 U	200 U
2-Chloronaphthalene	200 U	190 U	180 U	200 U	200 U
2-Chlorophenol	200 U	190 U	180 U	200 U	200 U
2-Methylnaphthalene	81 U	76 U	73 U	81 U	82 U
2-Methylphenol	200 U	190 U	180 U	200 U	200 U
2-Nitroaniline	200 U	190 U	180 U	200 U	200 U
2-Nitrophenol	400 U	380 U	360 U	400 U	400 U
3 & 4 Methylphenol	200 U	190 U	180 U	200 U	200 U
3,3-Dichlorobenzidine	200 U	190 U	180 U	200 U	200 U
3-Nitroaniline	400 U	380 U	360 U	400 U	400 U
4,6-Dinitro-2-methylphenol	810 U	760 U	730 U	810 UJ	820 U
4-Bromophenyl-phenylether	200 U	190 U	180 U	200 U	200 U
4-Chloro-3-methylphenol	400 U	380 U	360 U	400 U	400 U
4-Chloroaniline	810 U	760 U	730 U	810 U	820 U
4-Chlorophenyl-phenylether	200 U	190 U	180 U	200 U	200 U
4-Nitroaniline	400 U	380 U	360 U	400 U	400 U
4-Nitrophenol, SVOC	810 U	760 U	730 U	810 U	820 U
Acenaphthene	40 U	38 U	36 U	40 U	40 U
Acenaphthylene	40 U	38 U	36 U	40 U	40 U
Anthracene	40 U	38 U	36 U	40 U	40 U
Benzo(a)anthracene	8.5 J	38 U	9.7 J	40 U	40 U
Benzo(a)pyrene	16 J	11 J	13 J	40 U	40 U
Benzo(b)fluoranthene	15 J	12 J	17 J	40 U	40 U
Benzo(g,h,i)perylene	40 U	38 U	36 U	40 U	40 U
Benzo(k)fluoranthene	40 U	38 U	36 U	40 U	40 U
bis(2-Chloroethoxy)methane	200 U	190 U	180 U	200 U	200 U
bis(2-Chloroethyl)ether	200 U	190 U	180 U	200 U	200 U
bis(2-Ethylhexyl)phthalate	200 U	190 U	180 U	200 U	200 U
Butyl benzyl phthalate	200 U	190 U	180 U	200 U	200 U
Carbazole	200 U	190 U	180 U	200 U	200 U
Chrysene	40 U	38 U	15 J	40 U	40 U
Dibenzo(a,h)anthracene	40 U	38 U	36 U	40 U	40 U
Dibenzofuran	200 U	190 U	180 U	200 U	200 U
Diethylphthalate	200 U	190 U	180 U	200 U	200 U
Dimethyl phthalate	200 U	190 U	180 U	200 U	200 U
Di-N-Butyl phthalate	200 U	190 U	180 U	200 U	200 U
Di-N-Octyl phthalate	200 U	190 U	180 U	200 U	200 U
Fluoranthene	40 U	12 J	19 J	40 U	40 U
Fluorene	40 U	38 U	36 U	40 U	40 U
Hexachlorobenzene	81 U	76 U	73 U	81 U	82 U
Hexachlorobutadiene, SVOC	200 U	190 U	180 U	200 U	200 U
Hexachlorocyclopentadiene	810 U	760 U	730 U	810 R	820 U
Hexachloroethane	200 U	190 U	180 U	200 U	200 U
Indeno(1,2,3-cd)pyrene	12 J	38 U	36 U	40 U	40 U
Isophorone	200 U	190 U	180 U	200 U	200 U
Naphthalene, SVOC	40 U	38 U	36 U	40 U	40 U
Nitrobenzene	40 U	38 U	36 U	40 U	40 U
N-Nitroso-di-N-propylamine	81 U	76 U	73 U	81 U	82 U
N-Nitrosodiphenylamine	200 U	190 U	180 U	200 U	200 U
Pentachlorophenol, SVOC	810 U	760 U	730 U	810 U	820 U
Phenanthrene	40 U	8.4 J	11 J	40 U	40 U
Phenol	200 U	190 U	180 U	200 U	200 U
Pyrene	9.3 J	15 J	21 J	40 U	40 U

Table C-2
Summary of SVOCs - Soil
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-2(4-8)083117	B-3(0-4)083117	B-3(4-6)083117	B-4(0-4)083117	B-4(4-6)083117
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017
Location ID	B-2	B-3	B-3	B-4	B-4
Depth	4 - 8	0 - 4	4 - 6	0 - 4	4 - 6
Lab Sample ID	500-133400-3	500-133400-4	500-133400-5	500-133400-6	500-133400-7
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136
Parameter					
SVOCs (ug/kg)					
1,2,4-Trichlorobenzene, SVOC	190 U	210 U	200 U	200 U	190 U
1,2-Dichlorobenzene, SVOC	190 U	210 U	200 U	200 U	190 U
1,3-Dichlorobenzene, SVOC	190 U	210 U	200 U	200 U	190 U
1,4-Dichlorobenzene, SVOC	190 U	210 U	200 U	200 U	190 U
2,2-oxybis[1-chloropropane]	190 U	210 U	200 U	200 U	190 U
2,4,5-Trichlorophenol	370 U	410 U	400 U	390 U	380 U
2,4,6-Trichlorophenol	370 U	410 U	400 U	390 U	380 U
2,4-Dichlorophenol	370 U	410 U	400 U	390 U	380 U
2,4-Dimethylphenol	370 U	410 U	400 U	390 U	380 U
2,4-Dinitrophenol	750 U	820 U	810 U	790 U	780 U
2,4-Dinitrotoluene	190 U	210 U	200 U	200 U	190 U
2,6-Dinitrotoluene	190 U	210 U	200 U	200 U	190 U
2-Chloronaphthalene	190 U	210 U	200 U	200 U	190 U
2-Chlorophenol	190 U	210 U	200 U	200 U	190 U
2-Methylnaphthalene	75 U	82 U	81 U	79 U	78 U
2-Methylphenol	190 U	210 U	200 U	200 U	190 U
2-Nitroaniline	190 U	210 U	200 U	200 U	190 U
2-Nitrophenol	370 U	410 U	400 U	390 U	380 U
3 & 4 Methylphenol	190 U	210 U	200 U	200 U	190 U
3,3-Dichlorobenzidine	190 U	210 U	200 U	200 U	190 U
3-Nitroaniline	370 U	410 U	400 U	390 U	380 U
4,6-Dinitro-2-methylphenol	750 U	820 U	810 U	790 U	780 U
4-Bromophenyl-phenylether	190 U	210 U	200 U	200 U	190 U
4-Chloro-3-methylphenol	370 U	410 U	400 U	390 U	380 U
4-Chloroaniline	750 U	820 U	810 U	790 U	780 U
4-Chlorophenyl-phenylether	190 U	210 U	200 U	200 U	190 U
4-Nitroaniline	370 U	410 U	400 U	390 U	380 U
4-Nitrophenol, SVOC	750 U	820 U	810 U	790 U	780 U
Acenaphthene	37 U	41 U	40 U	39 U	38 U
Acenaphthylene	37 U	41 U	40 U	39 U	38 U
Anthracene	37 U	41 U	40 U	39 U	38 U
Benzo(a)anthracene	37 U	41 U	40 U	39 U	38 U
Benzo(a)pyrene	37 U	41 U	40 U	39 U	38 U
Benzo(b)fluoranthene	37 U	41 U	40 U	39 U	38 U
Benzo(g,h,i)perylene	37 U	41 U	40 U	39 U	38 U
Benzo(k)fluoranthene	37 U	41 U	40 U	39 U	38 U
bis(2-Chloroethoxy)methane	190 U	210 U	200 U	200 U	190 U
bis(2-Chloroethyl)ether	190 U	210 U	200 U	200 U	190 U
bis(2-Ethylhexyl)phthalate	190 U	210 U	200 U	200 U	190 U
Butyl benzyl phthalate	190 U	210 U	200 U	200 U	190 U
Carbazole	190 U	210 U	200 U	200 U	190 U
Chrysene	37 U	41 U	40 U	39 U	38 U
Dibenzo(a,h)anthracene	37 U	41 U	40 U	39 U	38 U
Dibenzofuran	190 U	210 U	200 U	200 U	190 U
Diethylphthalate	190 U	210 U	200 U	200 U	190 U
Dimethyl phthalate	190 U	210 U	200 U	200 U	190 U
Di-N-Butyl phthalate	190 U	210 U	200 U	200 U	190 U
Di-N-Octyl phthalate	190 U	210 U	200 U	200 U	190 U
Fluoranthene	37 U	41 U	40 U	39 U	38 U
Fluorene	37 U	41 U	40 U	39 U	38 U
Hexachlorobenzene	75 U	82 U	81 U	79 U	78 U
Hexachlorobutadiene, SVOC	190 U	210 U	200 U	200 U	190 U
Hexachlorocyclopentadiene	750 U	820 U	810 U	790 U	780 U
Hexachloroethane	190 U	210 U	200 U	200 U	190 U
Indeno(1,2,3-cd)pyrene	37 U	41 U	40 U	39 U	38 U
Isophorone	190 U	210 U	200 U	200 U	190 U
Naphthalene, SVOC	37 U	41 U	40 U	39 U	38 U
Nitrobenzene	37 U	41 U	40 U	39 U	38 U
N-Nitroso-di-N-propylamine	75 U	82 U	81 U	79 U	78 U
N-Nitrosodiphenylamine	190 U	210 U	200 U	200 U	190 U
Pentachlorophenol, SVOC	750 U	820 U	810 U	790 U	780 U
Phenanthrene	37 U	41 U	40 U	39 U	38 U
Phenol	190 U	210 U	200 U	200 U	190 U
Pyrene	37 U	41 U	40 U	39 U	38 U

Table C-2
Summary of SVOCs - Soil
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-5(0-5)083117	B-6(0-4)083117	B-7(0-3)083117	B-8(0-4)083117	B-8(4-7)083117
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017
Location ID	B-5	B-6	B-7	B-8	B-8
Depth	0 - 5	0 - 4	0 - 3	0 - 4	4 - 7
Lab Sample ID	500-133400-8	500-133400-9	500-133400-10	500-133400-11	500-133400-12
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136
Parameter					
SVOCs (ug/kg)					
1,2,4-Trichlorobenzene, SVOC	190 U	180 U	190 U	190 U	170 U
1,2-Dichlorobenzene, SVOC	190 U	180 U	190 U	190 U	170 U
1,3-Dichlorobenzene, SVOC	190 U	180 U	190 U	190 U	170 U
1,4-Dichlorobenzene, SVOC	190 U	180 U	190 U	190 U	170 U
2,2-oxybis[1-chloropropane]	190 U	180 U	190 U	190 U	170 U
2,4,5-Trichlorophenol	380 U	350 U	370 U	370 U	340 U
2,4,6-Trichlorophenol	380 U	350 U	370 U	370 U	340 U
2,4-Dichlorophenol	380 U	350 U	370 U	370 U	340 U
2,4-Dimethylphenol	380 U	350 U	370 U	370 U	340 U
2,4-Dinitrophenol	770 U	720 U	740 U	760 U	690 U
2,4-Dinitrotoluene	190 U	180 U	190 U	190 U	170 U
2,6-Dinitrotoluene	190 U	180 U	190 U	190 U	170 U
2-Chloronaphthalene	190 U	180 U	190 U	190 U	170 U
2-Chlorophenol	190 U	180 U	190 U	190 U	170 U
2-Methylnaphthalene	77 U	72 U	74 U	76 U	69 U
2-Methylphenol	190 U	180 U	190 U	190 U	170 U
2-Nitroaniline	190 U	180 U	190 U	190 U	170 U
2-Nitrophenol	380 U	350 U	370 U	370 U	340 U
3 & 4 Methylphenol	190 U	180 U	190 U	190 U	170 U
3,3-Dichlorobenzidine	190 U	180 U	190 U	190 U	170 U
3-Nitroaniline	380 U	350 U	370 U	370 U	340 U
4,6-Dinitro-2-methylphenol	770 U	720 U	740 U	760 U	690 U
4-Bromophenyl-phenylether	190 U	180 U	190 U	190 U	170 U
4-Chloro-3-methylphenol	380 U	350 U	370 U	370 U	340 U
4-Chloroaniline	770 U	720 U	740 U	760 U	690 U
4-Chlorophenyl-phenylether	190 U	180 U	190 U	190 U	170 U
4-Nitroaniline	380 U	350 U	370 U	370 U	340 U
4-Nitrophenol, SVOC	770 U	720 U	740 U	760 U	690 U
Acenaphthene	38 U	35 U	7.4 J	37 U	34 U
Acenaphthylene	38 U	35 U	7.1 J	37 U	34 U
Anthracene	38 U	35 U	14 J	37 U	34 U
Benzo(a)anthracene	38 U	13 J	32 J	12 J	10 J
Benzo(a)pyrene	38 U	22 J	27 J	15 J	11 J
Benzo(b)fluoranthene	38 U	30 J	45	17 J	12 J
Benzo(g,h,i)perylene	38 U	16 J	15 J	37 U	34 U
Benzo(k)fluoranthene	38 U	35 U	16 J	37 U	34 U
bis(2-Chloroethoxy)methane	190 U	180 U	190 U	190 U	170 U
bis(2-Chloroethyl)ether	190 U	180 U	190 U	190 U	170 U
bis(2-Ethylhexyl)phthalate	190 U	180 U	190 U	190 U	170 U
Butyl benzyl phthalate	190 U	180 U	190 U	190 U	170 U
Carbazole	190 U	180 U	190 U	190 U	170 U
Chrysene	38 U	14 J	32 J	12 J	9.4 J
Dibenzo(a,h)anthracene	38 U	35 U	37 U	37 U	34 U
Dibenzofuran	190 U	180 U	190 U	190 U	170 U
Diethylphthalate	190 U	180 U	190 U	190 U	170 U
Dimethyl phthalate	190 U	180 U	190 U	190 U	170 U
Di-N-Butyl phthalate	190 U	180 U	190 U	190 U	170 U
Di-N-Octyl phthalate	190 U	180 U	190 U	190 U	170 U
Fluoranthene	38 U	15 J	76	19 J	15 J
Fluorene	38 U	35 U	7 J	37 U	34 U
Hexachlorobenzene	77 U	72 U	74 U	76 U	69 U
Hexachlorobutadiene, SVOC	190 U	180 U	190 U	190 U	170 U
Hexachlorocyclopentadiene	770 U	720 U	740 U	760 U	690 U
Hexachloroethane	190 U	180 U	190 U	190 U	170 U
Indeno(1,2,3-cd)pyrene	38 U	14 J	17 J	10 J	34 U
Isophorone	190 U	180 U	190 U	190 U	170 U
Naphthalene, SVOC	38 U	35 U	37 U	37 U	34 U
Nitrobenzene	38 U	35 U	37 U	37 U	34 U
N-Nitroso-di-N-propylamine	77 U	72 U	74 U	76 U	69 U
N-Nitrosodiphenylamine	190 U	180 U	190 U	190 U	170 U
Pentachlorophenol, SVOC	770 U	720 U	740 U	760 U	690 U
Phenanthrene	38 U	6.4 J	65	13 J	11 J
Phenol	190 U	180 U	190 U	190 U	170 U
Pyrene	38 U	17 J	68	21 J	18 J

Table C-3
Summary of Inorganics - Soil
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-1(0-4)083117	B-1(4-7)083117	B-1(4-7)083117D	B-2(0-4)083117	B-2(0-4)083117D
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017
Location ID	B-1	B-1	B-1	B-2	B-2
Depth	0 - 4	4 - 7	4 - 7	0 - 4	0 - 4
Lab Sample ID	500-133400-14	500-133400-15	500-133400-16	500-133400-1	500-133400-2
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136
Parameter					
Laboratory pH (standars pH u	7.3	8	8.1	5.9	6.1
Total Anions (mg/kg)					
Chloride	16000	3400	8800	2300	1700
Fluoride	2.4 U	2.2 U	2.2 U	2.4 U	7.5
Sulfate	220	51 J	170 J	97 B	100 B
Total Inorganics (mg/kg)					
Antimony, Total	1.2 U	1.1 U	0.38 UJ	1.2 UJ	1.2 U
Arsenic, Total	9.6	17	14	9.9 J-	13
Barium, Total	110	17	13	70 J-	71
Beryllium, Total	0.93	0.34	0.28	0.78 J-	0.84
Cadmium, Total	0.2 U	0.31 U	0.29 U	0.13 UJ	0.13 U
Calcium, Total	2800 B	170000 B	240000 B	740 J	730 B
Chromium, Total	23	6.1	5.4	19	21
Cobalt, Total	18	5.7	4.5	14	14
Copper, Total	27	22	17	27 J-	28
Cyanide, Total	0.49 U	1.7	1.8	0.53 U	0.57 U
Iron, Total	27000 B	28000 B	23000 B	24000 J	28000 B
Lead, Total	21	20	17	19	22
Magnesium, Total	5600 B	100000 B	150000 B	3500 J	3600 B
Manganese, Total	470 B	370 B	460 B	420 J-	440 B
Mercury, Total	0.023 U	0.03 U	0.025 U	0.039 U	0.039 U
Nickel, Total	45 B	16 B	12 B	39 B	36 B
Potassium, Total	2900	1200	1000	2000 J+	1900
Selenium, Total	0.62 U	0.55 U	0.53 U	0.59 UJ	0.44 J
Silver, Total	0.31 U	0.27 U	0.26 U	0.3 UJ	0.3 U
Sodium, Total	11000 B	6200 B	5300 B	1800 B	2500 B
Thallium, Total	0.62 U	0.27 J	0.53 U	0.59 U	0.6 U
Vanadium, Total	33	10	8.6	25	30
Zinc, Total	95 B	100 B	82 B	86 J-	84 B
TCLP Metals (mg/l)					
Arsenic, TCLP	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Barium, TCLP	0.33 J	0.31 J	0.23 J	0.25 J	0.26 J
Beryllium, TCLP	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium, TCLP	0.0025 J	0.002 J	0.005 U	0.005 U	0.005 U
Chromium, TCLP	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Cobalt, TCLP	0.024 J	0.025 U	0.025 U	0.025 U	0.025
Copper, TCLP	0.024 J	0.025 U	0.011 J	0.025 U	0.025 U
Iron, TCLP	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Lead, TCLP	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U
Manganese, TCLP	5.6	3.1 J	1.7 J	0.16 J	1.4 J
Mercury, TCLP	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel, TCLP	0.032	0.015 J	0.011 J	0.025 U	0.025 U
Selenium, TCLP	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Silver, TCLP	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Zinc, TCLP	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SPLP Metals (mg/l)					
Arsenic, SPLP	0.05 U	0.05 U	0.05 U	0.05 U	0.077
Barium, SPLP	0.5 U	0.5 U	0.5 U	0.066 J	0.8
Beryllium, SPLP	0.004 U	0.004 U	0.004 U	0.004 U	0.0076
Cadmium, SPLP	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium, SPLP	0.025 U	0.025 U	0.025 U	0.015 J	0.15 J
Cobalt, SPLP	0.025 U	0.025 U	0.025 U	0.025 U	0.059
Copper, SPLP	0.025 U	0.025 U	0.016 J	0.021 J	0.27 J
Iron, SPLP	2	3.8 J	2.1 J	15 J	210 J
Lead, SPLP	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.11
Manganese, SPLP	0.023 J	0.031	0.017 J	0.089 J	1.5 J
Mercury, SPLP	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00052
Nickel, SPLP	0.025 U	0.025 U	0.025 U	0.016 J	0.26 J
Selenium, SPLP	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Silver, SPLP	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Zinc, SPLP	0.5 U	0.5 U	0.5 U	0.04 J	0.64

Table C-3
Summary of Inorganics - Soil
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-2(4-8)083117	B-3(0-4)083117	B-3(4-6)083117	B-4(0-4)083117	B-4(4-6)083117
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017
Location ID	B-2	B-3	B-3	B-4	B-4
Depth	4 - 8	0 - 4	4 - 6	0 - 4	4 - 6
Lab Sample ID	500-133400-3	500-133400-4	500-133400-5	500-133400-6	500-133400-7
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136
Parameter					
Laboratory pH (standars pH u	7.9	7.4	7.6	7.5	7.4
Total Anions (mg/kg)					
Chloride	760	1900	1300	2300	3000
Fluoride	0.97 J	2.4 U	2.3 J	7.2	2.3 U
Sulfate	19 B	66 B	19 B	65 B	31 B
Total Inorganics (mg/kg)					
Antimony, Total	0.29 UJ	1.2 U	1.1 U	1.1 U	1.1 U
Arsenic, Total	13	13	11	9.1	12
Barium, Total	28	64	41	79	42
Beryllium, Total	0.39	0.63	0.67	0.77	0.52
Cadmium, Total	0.38 U	0.3 U	0.32 U	0.25 U	0.41 B
Calcium, Total	150000 B	1700 B	29000 B	21000 B	31000 B
Chromium, Total	8.1	16	15	19	12
Cobalt, Total	8.6	13	12	14	12
Copper, Total	22	26	28	26	27
Cyanide, Total	0.53 U	0.54 U	0.57 U	0.53 U	0.55 U
Iron, Total	22000 B	25000 B	23000 B	23000 B	21000 B
Lead, Total	12	17	17	16	16
Magnesium, Total	49000 B	3200 B	21000 B	17000 B	21000 B
Manganese, Total	420 B	530 B	400 B	410 B	500 B
Mercury, Total	0.032 U	0.042 B	0.041 B	0.036 U	0.026 U
Nickel, Total	20 B	33 B	33 B	39 B	30 B
Potassium, Total	1400	1700	2400	2700	1900
Selenium, Total	0.54 U	0.61 U	0.56 U	0.57 U	0.57 U
Silver, Total	0.27 U	0.31 U	0.28 U	0.29 U	0.29 U
Sodium, Total	350 B	1700 B	790 B	2900 B	2300 B
Thallium, Total	0.54 U	0.61 U	0.32 J	0.57 U	0.57 U
Vanadium, Total	13	24	21	26	18
Zinc, Total	74 B	110 B	100 B	70 B	94 B
TCLP Metals (mg/l)					
Arsenic, TCLP	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Barium, TCLP	0.28 J	0.27 J	0.37 J	0.45 J	0.34 J
Beryllium, TCLP	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium, TCLP	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium, TCLP	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Cobalt, TCLP	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Copper, TCLP	0.025 U	0.025 U	0.032	0.025 U	0.035
Iron, TCLP	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Lead, TCLP	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U
Manganese, TCLP	0.43	0.035	0.71	0.29	1.1
Mercury, TCLP	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel, TCLP	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Selenium, TCLP	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Silver, TCLP	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Zinc, TCLP	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SPLP Metals (mg/l)					
Arsenic, SPLP	0.05 U	0.078	0.023 J	0.095	0.05 U
Barium, SPLP	0.5 U	0.72	0.21 J	0.66	0.5 U
Beryllium, SPLP	0.004 U	0.0057	0.004 U	0.0079	0.004 U
Cadmium, SPLP	0.005 U	0.0027 J	0.005 U	0.0022 J	0.005 U
Chromium, SPLP	0.025 U	0.13	0.05	0.16	0.025 U
Cobalt, SPLP	0.025 U	0.046	0.017 J	0.051	0.025 U
Copper, SPLP	0.025 U	0.19	0.067	0.28	0.025 U
Iron, SPLP	0.41	180	62	210	5.3
Lead, SPLP	0.0075 U	0.08	0.03	0.097	0.0075 U
Manganese, SPLP	0.025 U	1.4	0.42	1.1	0.033
Mercury, SPLP	0.0002 U	0.00037	0.0002 U	0.0003	0.0002 U
Nickel, SPLP	0.025 U	0.19	0.092	0.27	0.025 U
Selenium, SPLP	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Silver, SPLP	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Zinc, SPLP	0.5 U	0.66	0.21 J	0.62	0.023 J

Table C-3
Summary of Inorganics - Soil
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	B-5(0-5)083117	B-6(0-4)083117	B-7(0-3)083117	B-8(0-4)083117	B-8(4-7)083117
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017
Location ID	B-5	B-6	B-7	B-8	B-8
Depth	0 - 5	0 - 4	0 - 3	0 - 4	4 - 7
Lab Sample ID	500-133400-8	500-133400-9	500-133400-10	500-133400-11	500-133400-12
Yard No.	YARD 136	YARD 136	YARD 136	YARD 136	YARD 136
Parameter					
Laboratory pH (standars pH u	9.4	7.9	7.5	7.7	7.9
Total Anions (mg/kg)					
Chloride	14	7000	6400	2200	1400
Fluoride	4	2 U	0.99 J	1.1 J	2.1 U
Sulfate	12 B	75 B	39 B	87 B	64 B
Total Inorganics (mg/kg)					
Antimony, Total	1.1 U	1.1 U	1.1 U	1.1 U	1 U
Arsenic, Total	12	11	14	9.4	3.5
Barium, Total	35	18	44	33	15
Beryllium, Total	0.56	0.25	0.49	0.41	0.15 J
Cadmium, Total	0.42 B	0.35 U	0.35 U	0.33 U	0.18 U
Calcium, Total	100000 B	160000 B	73000 B	160000 B	270000 B
Chromium, Total	13	5.3	12	9.6	3.4
Cobalt, Total	14	5.8	11	8.5	2.8
Copper, Total	27	19	30	18	7.1
Cyanide, Total	0.45 U	0.52 U	0.52 U	0.54 U	0.53 U
Iron, Total	21000 B	15000 B	23000 B	15000 B	7900 B
Lead, Total	17	17	30	12	3.4
Magnesium, Total	26000 B	54000 B	24000 B	45000 B	170000 B
Manganese, Total	380 B	450 B	510 B	400 B	280 B
Mercury, Total	0.032 U	0.022 U	0.047 B	0.021 U	0.0098 UJ
Nickel, Total	32 B	14 B	28 B	20 B	7.3 B
Potassium, Total	2100	930	1500	1600	650
Selenium, Total	0.53 U	0.54 U	0.55 U	0.53 U	0.51 U
Silver, Total	0.27 U	0.27 U	0.28 U	0.26 U	0.26 U
Sodium, Total	640 B	4100 B	3700 B	1300 B	650 B
Thallium, Total	0.53 U	0.54 U	0.55 U	0.53 U	0.51 U
Vanadium, Total	19	8.8	19	14	5.3
Zinc, Total	99 B	70 B	87 B	57 B	18 B
TCLP Metals (mg/l)					
Arsenic, TCLP	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Barium, TCLP	0.28 J	0.24 J	0.6	0.38 J	0.3 J
Beryllium, TCLP	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium, TCLP	0.005 U	0.0033 J	0.0026 J	0.0025 J	0.002 J
Chromium, TCLP	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Cobalt, TCLP	0.025 U	0.025 U	0.026	0.025 U	0.017 J
Copper, TCLP	0.018 J	0.031	0.02 J	0.029	0.025 U
Iron, TCLP	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Lead, TCLP	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U
Manganese, TCLP	0.58	3	9.9	1.4	3.7
Mercury, TCLP	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel, TCLP	0.025 U	0.023 J	0.033	0.025 U	0.02 J
Selenium, TCLP	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Silver, TCLP	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Zinc, TCLP	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SPLP Metals (mg/l)					
Arsenic, SPLP	0.032 J	0.05 U	0.05 U	0.05 U	0.05 U
Barium, SPLP	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U
Beryllium, SPLP	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium, SPLP	0.0022 J	0.005 U	0.005 U	0.005 U	0.005 U
Chromium, SPLP	0.063	0.025 U	0.025 U	0.025 U	0.025 U
Cobalt, SPLP	0.027	0.025 U	0.025 U	0.025 U	0.025 U
Copper, SPLP	0.093	0.025 U	0.025 U	0.025 U	0.025 U
Iron, SPLP	80	1.9	5.5	0.56	0.4 U
Lead, SPLP	0.045	0.0075 U	0.0075 U	0.0075 U	0.0075 U
Manganese, SPLP	0.53	0.014 J	0.15	0.025 U	0.025 U
Mercury, SPLP	0.00021	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel, SPLP	0.089	0.025 U	0.025 U	0.025 U	0.025 U
Selenium, SPLP	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Silver, SPLP	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Zinc, SPLP	0.27 J	0.5 U	0.024 J	0.05 J	0.5 U

Table C-4
Summary of Disposal Parameters - Soil
Illinois Department of Transportation
New Lenox Yard (136) - Proposed Salt Storage Building
New Lenox, Will County, Illinois

Field Sample ID	Disposal-083117
Sample Date	8/31/2017
Location ID	Disposal
Lab Sample ID	500-133400-13
Location Code	YARD 136
Parameter	
Flashpoint (Deg F)	176 >
Reactivity, Cyanide (mg/kg)	0.14 J
Reactivity, Sulfide (mg/kg)	49 U
Laboratory pH (standard pH units)	8
Paint Filter	PASS
TCLP VOCs (ug/l)	
1,1-Dichloroethene, TCLP	20 U
1,2-Dichloroethane, TCLP	20 U
Benzene, TCLP	20 U
Carbon tetrachloride, TCLP	20 U
Chlorobenzene, TCLP	20 U
Chloroform, TCLP	40 U
Methyl ethyl ketone, TCLP	100 U
Tetrachloroethene, TCLP	20 U
Trichloroethene, TCLP	20 U
Vinyl Chloride, TCLP	20 U
TCLP SVOCs (ug/l)	
1,4-Dichlorobenzene, SVOC, TCLP	20 U
2,4,5-Trichlorophenol, TCLP	100 U
2,4,6-Trichlorophenol, TCLP	50 U
2,4-Dinitrotoluene, TCLP	10 U
2-Methylphenol, TCLP	20 U
3 & 4 Methylphenol, TCLP	20 U
Hexachlorobenzene, TCLP	5 U
Hexachlorobutadiene, SVOC, TCLP	50 U
Hexachloroethane, TCLP	50 U
Nitrobenzene, TCLP	10 U
Pentachlorophenol, SVOC, TCLP	200 U
Pyridine, TCLP	200 U
TCLP Pesticides (ug/l)	
Alpha-Chlordane, TCLP	10 U
Endrin, TCLP	5 U
Gamma-BHC, TCLP	5 U
Heptachlor Epoxide, TCLP	4 U
Heptachlor, TCLP	4 U
Methoxychlor, TCLP	10 U
Toxaphene, TCLP	50 U
TCLP Herbicides (ug/l)	
2,4,5-TP (Silvex), TCLP	100 U
2,4-D, TCLP	100 U
PCBs (ug/kg)	
Aroclor-1016	18 U
Aroclor-1221	18 U
Aroclor-1232	18 U
Aroclor-1242	18 U
Aroclor-1248	18 U
Aroclor-1254	18 U
Aroclor-1260	18 U
TCLP Metals (mg/l)	
Arsenic, TCLP	0.05 U
Barium, TCLP	0.43 J
Cadmium, TCLP	0.0025 J
Chromium, TCLP	0.025 U
Lead, TCLP	0.05 U
Selenium, TCLP	0.05 U
Silver, TCLP	0.025 U
Mercury, TCLP	0.0002 U

APPENDIX D

ANALYTICAL DATA REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-133400-1
Client Project/Site: IDOT - New Lenox - WO 017

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar

Authorized for release by:
9/12/2017 4:31:57 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

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Case Narrative

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Job ID: 500-133400-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-133400-1

Receipt
The samples were received on 8/31/2017 1:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.4º C and 4.6º C. Total Cyanide added to soil samples per communication with Weston Solutions.

GC/MS VOA
Method(s) 8260B: The following analyte recovered outside control limits for the LCSD associated with 399948: Chloroethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: The following matrix spike/matrix spike duplicate (MS/MSD) recovered at 0% for one or more analytes. Data has been qualified and reported. (500-133400-F-1-Q MS) and (500-133400-F-1-R MSD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010B: The method blank for preparation batch 500-400060 and analytical batch 500-400180 contained Zinc above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method(s) 300.0, 9056A: Manual integration was performed on the following IC 8 samples due to the software identifying the baseline incorrectly: B-2(0-4)083117 (500-133400-1), B-2(0-4)083117D (500-133400-2), B-2(4-8)083117 (500-133400-3), B-3(4-6)083117 (500-133400-5), B-4(0-4)083117 (500-133400-6), B-4(4-6)083117 (500-133400-7), B-6(0-4)083117 (500-133400-9), B-7(0-3)083117 (500-133400-10), B-8(0-4)083117 (500-133400-11), B-8(4-7)083117 (500-133400-12), B-1(0-4)083117 (500-133400-14), B-1(4-7)083117 (500-133400-15), B-1(4-7)083117D (500-133400-16), (CCV 500-400161/33), (CCV 500-400161/5), (CCV 500-400161/64), (CCV 500-400161/75), (CCV 500-400161/87) and (LCS 500-400518/2-A).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-2(0-4)083117 — Lab Sample ID: 500-133400-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.25	J	0.50	0.050	mg/L	1		6010B	TCLP
Manganese	0.16		0.025	0.010	mg/L	1		6010B	TCLP
Barium	0.066	J	0.50	0.050	mg/L	1		6010B	SPLP East
Chromium	0.015	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.021	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	15		0.40	0.20	mg/L	1		6010B	SPLP East
Manganese	0.089		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.016	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.040	J	0.50	0.020	mg/L	1		6010B	SPLP East
Arsenic	9.9	F1	0.59	0.20	mg/Kg	1	☼	6010B	Total/NA
Barium	70	F1	0.59	0.067	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.78	F1	0.24	0.055	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13	F1 B	0.12	0.021	mg/Kg	1	☼	6010B	Total/NA
Calcium	740	F2 F1 B	12	2.0	mg/Kg	1	☼	6010B	Total/NA
Chromium	19		0.59	0.29	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.30	0.077	mg/Kg	1	☼	6010B	Total/NA
Copper	27	F1	0.59	0.17	mg/Kg	1	☼	6010B	Total/NA
Iron	24000	B	12	6.1	mg/Kg	1	☼	6010B	Total/NA
Lead	19		0.30	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	3500	F2 B	5.9	2.9	mg/Kg	1	☼	6010B	Total/NA
Manganese	420	B	0.59	0.086	mg/Kg	1	☼	6010B	Total/NA
Nickel	39	B	0.59	0.17	mg/Kg	1	☼	6010B	Total/NA
Potassium	2000	F1	30	10	mg/Kg	1	☼	6010B	Total/NA
Sodium	1800	B	59	8.7	mg/Kg	1	☼	6010B	Total/NA
Vanadium	25		0.30	0.070	mg/Kg	1	☼	6010B	Total/NA
Zinc	86	F1 B	1.2	0.52	mg/Kg	1	☼	6010B	Total/NA
Mercury	39	B	19	6.3	ug/Kg	1	☼	7471B	Total/NA
pH	5.9		0.20	0.20	SU	1		9045D	Total/NA
Chloride	2300		120	100	mg/Kg	50	☼	9056A	Total/NA
Sulfate	97	B	2.4	1.1	mg/Kg	1	☼	9056A	Total/NA

Client Sample ID: B-2(0-4)083117D — Lab Sample ID: 500-133400-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.26	J	0.50	0.050	mg/L	1		6010B	TCLP
Cobalt	0.025		0.025	0.010	mg/L	1		6010B	TCLP
Manganese	1.4		0.025	0.010	mg/L	1		6010B	TCLP
Arsenic	0.077		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.80		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0076		0.0040	0.0040	mg/L	1		6010B	SPLP East
Chromium	0.15		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.059		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.27		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	210		0.40	0.20	mg/L	1		6010B	SPLP East
Lead	0.11		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	1.5		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.26		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.64		0.50	0.020	mg/L	1		6010B	SPLP East
Arsenic	13		0.60	0.21	mg/Kg	1	☼	6010B	Total/NA
Barium	71		0.60	0.068	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-2(0-4)083117D (Continued) — Lab Sample ID: 500-133400-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.84		0.24	0.056	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13	B	0.12	0.022	mg/Kg	1	☼	6010B	Total/NA
Calcium	730	B	12	2.0	mg/Kg	1	☼	6010B	Total/NA
Chromium	21		0.60	0.30	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.30	0.079	mg/Kg	1	☼	6010B	Total/NA
Copper	28		0.60	0.17	mg/Kg	1	☼	6010B	Total/NA
Iron	28000	B	12	6.2	mg/Kg	1	☼	6010B	Total/NA
Lead	22		0.30	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	3600	B	6.0	3.0	mg/Kg	1	☼	6010B	Total/NA
Manganese	440	B	0.60	0.087	mg/Kg	1	☼	6010B	Total/NA
Nickel	36	B	0.60	0.17	mg/Kg	1	☼	6010B	Total/NA
Potassium	1900		30	11	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.44	J	0.60	0.35	mg/Kg	1	☼	6010B	Total/NA
Sodium	2500	B	60	8.9	mg/Kg	1	☼	6010B	Total/NA
Vanadium	30		0.30	0.071	mg/Kg	1	☼	6010B	Total/NA
Zinc	84	B	1.2	0.53	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.52		0.20	0.20	ug/L	1		7470A	SPLP East
Mercury	39	B	20	6.8	ug/Kg	1	☼	7471B	Total/NA
pH	6.1		0.20	0.20	SU	1		9045D	Total/NA
Chloride	1700		110	97	mg/Kg	50	☼	9056A	Total/NA
Fluoride	7.5		2.3	0.77	mg/Kg	1	☼	9056A	Total/NA
Sulfate	100	B	2.3	1.1	mg/Kg	1	☼	9056A	Total/NA

Client Sample ID: B-2(4-8)083117 — Lab Sample ID: 500-133400-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.28	J	0.50	0.050	mg/L	1		6010B	TCLP
Manganese	0.43		0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.41		0.40	0.20	mg/L	1		6010B	SPLP East
Antimony	0.29	J B	1.1	0.21	mg/Kg	1	☼	6010B	Total/NA
Arsenic	13		0.54	0.19	mg/Kg	1	☼	6010B	Total/NA
Barium	28		0.54	0.062	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.39		0.22	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.38	B	0.11	0.020	mg/Kg	1	☼	6010B	Total/NA
Calcium	150000	B	110	18	mg/Kg	10	☼	6010B	Total/NA
Chromium	8.1		0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.6		0.27	0.071	mg/Kg	1	☼	6010B	Total/NA
Copper	22		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Iron	22000	B	11	5.6	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	49000	B	5.4	2.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	420	B	0.54	0.079	mg/Kg	1	☼	6010B	Total/NA
Nickel	20	B	0.54	0.16	mg/Kg	1	☼	6010B	Total/NA
Potassium	1400		27	9.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	350	B	54	8.0	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13		0.27	0.064	mg/Kg	1	☼	6010B	Total/NA
Zinc	74	B	1.1	0.48	mg/Kg	1	☼	6010B	Total/NA
Mercury	32	B	17	5.6	ug/Kg	1	☼	7471B	Total/NA
pH	7.9		0.20	0.20	SU	1		9045D	Total/NA
Chloride	760		43	36	mg/Kg	20	☼	9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-2(4-8)083117 (Continued) — Lab Sample ID: 500-133400-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.97	J	2.1	0.72	mg/Kg	1	☼	9056A	Total/NA
Sulfate	19	B	2.1	1.0	mg/Kg	1	☼	9056A	Total/NA

Client Sample ID: B-3(0-4)083117 — Lab Sample ID: 500-133400-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.27	J	0.50	0.050	mg/L	1		6010B	TCLP
Manganese	0.035		0.025	0.010	mg/L	1		6010B	TCLP
Arsenic	0.078		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.72		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0057		0.0040	0.0040	mg/L	1		6010B	SPLP East
Cadmium	0.0027	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Chromium	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.046		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	180		0.40	0.20	mg/L	1		6010B	SPLP East
Lead	0.080		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	1.4		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.66		0.50	0.020	mg/L	1		6010B	SPLP East
Arsenic	13		0.61	0.21	mg/Kg	1	☼	6010B	Total/NA
Barium	64		0.61	0.070	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.63		0.24	0.057	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.30	B	0.12	0.022	mg/Kg	1	☼	6010B	Total/NA
Calcium	1700	B	12	2.1	mg/Kg	1	☼	6010B	Total/NA
Chromium	16		0.61	0.30	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.31	0.080	mg/Kg	1	☼	6010B	Total/NA
Copper	26		0.61	0.17	mg/Kg	1	☼	6010B	Total/NA
Iron	25000	B	12	6.4	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.31	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	3200	B	6.1	3.0	mg/Kg	1	☼	6010B	Total/NA
Manganese	530	B	0.61	0.089	mg/Kg	1	☼	6010B	Total/NA
Nickel	33	B	0.61	0.18	mg/Kg	1	☼	6010B	Total/NA
Potassium	1700		31	11	mg/Kg	1	☼	6010B	Total/NA
Sodium	1700	B	61	9.1	mg/Kg	1	☼	6010B	Total/NA
Vanadium	24		0.31	0.072	mg/Kg	1	☼	6010B	Total/NA
Zinc	110	B	1.2	0.54	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.37		0.20	0.20	ug/L	1		7470A	SPLP East
Mercury	42	B	19	6.4	ug/Kg	1	☼	7471B	Total/NA
pH	7.4		0.20	0.20	SU	1		9045D	Total/NA
Chloride	1900		61	52	mg/Kg	25	☼	9056A	Total/NA
Sulfate	66	B	2.4	1.2	mg/Kg	1	☼	9056A	Total/NA

Client Sample ID: B-3(4-6)083117 — Lab Sample ID: 500-133400-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.37	J	0.50	0.050	mg/L	1		6010B	TCLP
Copper	0.032		0.025	0.010	mg/L	1		6010B	TCLP
Manganese	0.71		0.025	0.010	mg/L	1		6010B	TCLP
Arsenic	0.023	J	0.050	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Client Sample ID: B-3(4-6)083117 (Continued) — Lab Sample ID: 500-133400-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.21	J	0.50	0.050	mg/L	1		6010B	SPLP East
Chromium	0.050		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.017	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.067		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	62		0.40	0.20	mg/L	1		6010B	SPLP East
Lead	0.030		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	0.42		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.092		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.21	J	0.50	0.020	mg/L	1		6010B	SPLP East
Arsenic	11		0.56	0.19	mg/Kg	1	☼	6010B	Total/NA
Barium	41		0.56	0.063	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.67		0.22	0.052	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.32	B	0.11	0.020	mg/Kg	1	☼	6010B	Total/NA
Calcium	29000	B	11	1.9	mg/Kg	1	☼	6010B	Total/NA
Chromium	15		0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.28	0.073	mg/Kg	1	☼	6010B	Total/NA
Copper	28		0.56	0.16	mg/Kg	1	☼	6010B	Total/NA
Iron	23000	B	11	5.8	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.28	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	21000	B	5.6	2.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	400	B	0.56	0.081	mg/Kg	1	☼	6010B	Total/NA
Nickel	33	B	0.56	0.16	mg/Kg	1	☼	6010B	Total/NA
Potassium	2400		28	9.9	mg/Kg	1	☼	6010B	Total/NA
Sodium	790	B	56	8.2	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.32	J	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.28	0.066	mg/Kg	1	☼	6010B	Total/NA
Zinc	100	B	1.1	0.49	mg/Kg	1	☼	6010B	Total/NA
Mercury	41	B	18	6.1	ug/Kg	1	☼	7471B	Total/NA
pH	7.6		0.20	0.20	SU	1		9045D	Total/NA
Chloride	1300		48	41	mg/Kg	20	☼	9056A	Total/NA
Fluoride	2.3	J	2.4	0.80	mg/Kg	1	☼	9056A	Total/NA
Sulfate	19	B	2.4	1.1	mg/Kg	1	☼	9056A	Total/NA

Client Sample ID: B-4(0-4)083117 — Lab Sample ID: 500-133400-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.45	J	0.50	0.050	mg/L	1		6010B	TCLP
Manganese	0.29		0.025	0.010	mg/L	1		6010B	TCLP
Arsenic	0.095		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.66		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0079		0.0040	0.0040	mg/L	1		6010B	SPLP East
Cadmium	0.0022	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Chromium	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.051		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.28		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	210		0.40	0.20	mg/L	1		6010B	SPLP East
Lead	0.097		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	1.1		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.27		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.62		0.50	0.020	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-4(0-4)083117 (Continued) — Lab Sample ID: 500-133400-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.1		0.57	0.20	mg/Kg	1	☼	6010B	Total/NA
Barium	79		0.57	0.065	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.77		0.23	0.053	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.25	B	0.11	0.021	mg/Kg	1	☼	6010B	Total/NA
Calcium	21000	B	11	1.9	mg/Kg	1	☼	6010B	Total/NA
Chromium	19		0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.29	0.075	mg/Kg	1	☼	6010B	Total/NA
Copper	26		0.57	0.16	mg/Kg	1	☼	6010B	Total/NA
Iron	23000	B	11	5.9	mg/Kg	1	☼	6010B	Total/NA
Lead	16		0.29	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	17000	B	5.7	2.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	410	B	0.57	0.083	mg/Kg	1	☼	6010B	Total/NA
Nickel	39	B	0.57	0.17	mg/Kg	1	☼	6010B	Total/NA
Potassium	2700		29	10	mg/Kg	1	☼	6010B	Total/NA
Sodium	2900	B	57	8.4	mg/Kg	1	☼	6010B	Total/NA
Vanadium	26		0.29	0.067	mg/Kg	1	☼	6010B	Total/NA
Zinc	70	B	1.1	0.50	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.30		0.20	0.20	ug/L	1		7470A	SPLP East
Mercury	36	B	20	6.6	ug/Kg	1	☼	7471B	Total/NA
pH	7.5		0.20	0.20	SU	1		9045D	Total/NA
Chloride	2300		120	98	mg/Kg	50	☼	9056A	Total/NA
Fluoride	7.2		2.3	0.78	mg/Kg	1	☼	9056A	Total/NA
Sulfate	65	B	2.3	1.1	mg/Kg	1	☼	9056A	Total/NA

Client Sample ID: B-4(4-6)083117 — Lab Sample ID: 500-133400-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.34	J	0.50	0.050	mg/L	1		6010B	TCLP
Copper	0.035		0.025	0.010	mg/L	1		6010B	TCLP
Manganese	1.1		0.025	0.010	mg/L	1		6010B	TCLP
Iron	5.3		0.40	0.20	mg/L	1		6010B	SPLP East
Manganese	0.033		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.023	J	0.50	0.020	mg/L	1		6010B	SPLP East
Arsenic	12		0.57	0.20	mg/Kg	1	☼	6010B	Total/NA
Barium	42		0.57	0.065	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.52		0.23	0.053	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.41	B	0.11	0.021	mg/Kg	1	☼	6010B	Total/NA
Calcium	31000	B	11	1.9	mg/Kg	1	☼	6010B	Total/NA
Chromium	12		0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.29	0.075	mg/Kg	1	☼	6010B	Total/NA
Copper	27		0.57	0.16	mg/Kg	1	☼	6010B	Total/NA
Iron	21000	B	11	6.0	mg/Kg	1	☼	6010B	Total/NA
Lead	16		0.29	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	21000	B	5.7	2.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	500	B	0.57	0.083	mg/Kg	1	☼	6010B	Total/NA
Nickel	30	B	0.57	0.17	mg/Kg	1	☼	6010B	Total/NA
Potassium	1900		29	10	mg/Kg	1	☼	6010B	Total/NA
Sodium	2300	B	57	8.5	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.29	0.068	mg/Kg	1	☼	6010B	Total/NA
Zinc	94	B	1.1	0.50	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-4(4-6)083117 (Continued) — Lab Sample ID: 500-133400-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	26	B	18	5.9	ug/Kg	1	☼	7471B	Total/NA
pH	7.4		0.20	0.20	SU	1		9045D	Total/NA
Chloride	3000		230	190	mg/Kg	100	☼	9056A	Total/NA
Sulfate	31	B	2.3	1.1	mg/Kg	1	☼	9056A	Total/NA

Client Sample ID: B-5(0-5)083117 — Lab Sample ID: 500-133400-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.28	J	0.50	0.050	mg/L	1		6010B	TCLP
Copper	0.018	J	0.025	0.010	mg/L	1		6010B	TCLP
Manganese	0.58		0.025	0.010	mg/L	1		6010B	TCLP
Arsenic	0.032	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.30	J	0.50	0.050	mg/L	1		6010B	SPLP East
Cadmium	0.0022	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Chromium	0.063		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.027		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.093		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	80		0.40	0.20	mg/L	1		6010B	SPLP East
Lead	0.045		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	0.53		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.089		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.27	J	0.50	0.020	mg/L	1		6010B	SPLP East
Arsenic	12		0.53	0.18	mg/Kg	1	☼	6010B	Total/NA
Barium	35		0.53	0.060	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.56		0.21	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.42	B	0.11	0.019	mg/Kg	1	☼	6010B	Total/NA
Calcium	100000	B	110	18	mg/Kg	10	☼	6010B	Total/NA
Chromium	13		0.53	0.26	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.27	0.069	mg/Kg	1	☼	6010B	Total/NA
Copper	27		0.53	0.15	mg/Kg	1	☼	6010B	Total/NA
Iron	21000	B	11	5.5	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.27	0.12	mg/Kg	1	☼	6010B	Total/NA
Magnesium	26000	B	5.3	2.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	380	B	0.53	0.077	mg/Kg	1	☼	6010B	Total/NA
Nickel	32	B	0.53	0.15	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100		27	9.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	640	B	53	7.8	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.27	0.063	mg/Kg	1	☼	6010B	Total/NA
Zinc	99	B	1.1	0.47	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.21		0.20	0.20	ug/L	1		7470A	SPLP East
Mercury	32	B	19	6.4	ug/Kg	1	☼	7471B	Total/NA
pH	9.4		0.20	0.20	SU	1		9045D	Total/NA
Chloride	14		2.2	1.9	mg/Kg	1	☼	9056A	Total/NA
Fluoride	4.0		2.2	0.73	mg/Kg	1	☼	9056A	Total/NA
Sulfate	12	B	2.2	1.0	mg/Kg	1	☼	9056A	Total/NA

Client Sample ID: B-6(0-4)083117 — Lab Sample ID: 500-133400-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	13	J	35	4.8	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-6(0-4)083117 (Continued) — Lab Sample ID: 500-133400-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	22	J	35	6.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	30	J	35	7.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	16	J	35	11	ug/Kg	1	☼	8270D	Total/NA
Chrysene	14	J	35	9.7	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	15	J	35	6.6	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	14	J	35	9.2	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	6.4	J	35	5.0	ug/Kg	1	☼	8270D	Total/NA
Pyrene	17	J	35	7.1	ug/Kg	1	☼	8270D	Total/NA
Barium	0.24	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0033	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Copper	0.031		0.025	0.010	mg/L	1		6010B	TCLP
Manganese	3.0		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.023	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	1.9		0.40	0.20	mg/L	1		6010B	SPLP East
Manganese	0.014	J	0.025	0.010	mg/L	1		6010B	SPLP East
Arsenic	11		0.54	0.19	mg/Kg	1	☼	6010B	Total/NA
Barium	18		0.54	0.062	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.25		0.22	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.35	B	0.11	0.020	mg/Kg	1	☼	6010B	Total/NA
Calcium	160000	B	110	18	mg/Kg	10	☼	6010B	Total/NA
Chromium	5.3		0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.8		0.27	0.071	mg/Kg	1	☼	6010B	Total/NA
Copper	19		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Iron	15000	B	11	5.6	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	54000	B	5.4	2.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	450	B	0.54	0.079	mg/Kg	1	☼	6010B	Total/NA
Nickel	14	B	0.54	0.16	mg/Kg	1	☼	6010B	Total/NA
Potassium	930		27	9.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	4100	B	54	8.0	mg/Kg	1	☼	6010B	Total/NA
Vanadium	8.8		0.27	0.064	mg/Kg	1	☼	6010B	Total/NA
Zinc	70	B	1.1	0.48	mg/Kg	1	☼	6010B	Total/NA
Mercury	22	B	17	5.7	ug/Kg	1	☼	7471B	Total/NA
pH	7.9		0.20	0.20	SU	1		9045D	Total/NA
Chloride	7000		400	340	mg/Kg	200	☼	9056A	Total/NA
Sulfate	75	B	2.0	0.96	mg/Kg	1	☼	9056A	Total/NA

Client Sample ID: B-7(0-3)083117 — Lab Sample ID: 500-133400-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	7.4	J	37	6.6	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	7.1	J	37	4.9	ug/Kg	1	☼	8270D	Total/NA
Anthracene	14	J	37	6.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	32	J	37	5.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	27	J	37	7.1	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	45		37	8.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	15	J	37	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	16	J	37	11	ug/Kg	1	☼	8270D	Total/NA
Chrysene	32	J	37	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	76		37	6.8	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-7(0-3)083117 (Continued) — Lab Sample ID: 500-133400-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	7.0	J	37	5.2	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	17	J	37	9.5	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	65		37	5.1	ug/Kg	1	☼	8270D	Total/NA
Pyrene	68		37	7.3	ug/Kg	1	☼	8270D	Total/NA
Barium	0.60		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0026	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Cobalt	0.026		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.020	J	0.025	0.010	mg/L	1		6010B	TCLP
Manganese	9.9		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.033		0.025	0.010	mg/L	1		6010B	TCLP
Iron	5.5		0.40	0.20	mg/L	1		6010B	SPLP East
Manganese	0.15		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.024	J	0.50	0.020	mg/L	1		6010B	SPLP East
Arsenic	14		0.55	0.19	mg/Kg	1	☼	6010B	Total/NA
Barium	44		0.55	0.063	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.49		0.22	0.052	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.35	B	0.11	0.020	mg/Kg	1	☼	6010B	Total/NA
Calcium	73000	B	110	19	mg/Kg	10	☼	6010B	Total/NA
Chromium	12		0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Cobalt	11		0.28	0.073	mg/Kg	1	☼	6010B	Total/NA
Copper	30		0.55	0.16	mg/Kg	1	☼	6010B	Total/NA
Iron	23000	B	11	5.8	mg/Kg	1	☼	6010B	Total/NA
Lead	30		0.28	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000	B	5.5	2.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	510	B	0.55	0.080	mg/Kg	1	☼	6010B	Total/NA
Nickel	28	B	0.55	0.16	mg/Kg	1	☼	6010B	Total/NA
Potassium	1500		28	9.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	3700	B	55	8.2	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.28	0.065	mg/Kg	1	☼	6010B	Total/NA
Zinc	87	B	1.1	0.49	mg/Kg	1	☼	6010B	Total/NA
Mercury	47	B	18	6.1	ug/Kg	1	☼	7471B	Total/NA
pH	7.5		0.20	0.20	SU	1		9045D	Total/NA
Chloride	6400		450	380	mg/Kg	200	☼	9056A	Total/NA
Fluoride	0.99	J	2.2	0.75	mg/Kg	1	☼	9056A	Total/NA
Sulfate	39	B	2.2	1.1	mg/Kg	1	☼	9056A	Total/NA

Client Sample ID: B-8(0-4)083117 — Lab Sample ID: 500-133400-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	12	J	37	5.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	15	J	37	7.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	17	J	37	8.1	ug/Kg	1	☼	8270D	Total/NA
Chrysene	12	J	37	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	19	J	37	7.0	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	10	J	37	9.7	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	13	J	37	5.2	ug/Kg	1	☼	8270D	Total/NA
Pyrene	21	J	37	7.5	ug/Kg	1	☼	8270D	Total/NA
Barium	0.38	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0025	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Copper	0.029		0.025	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-8(0-4)083117 (Continued) — Lab Sample ID: 500-133400-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	1.4		0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.56		0.40	0.20	mg/L	1		6010B	SPLP East
Zinc	0.050	J	0.50	0.020	mg/L	1		6010B	SPLP East
Arsenic	9.4		0.53	0.18	mg/Kg	1	☼	6010B	Total/NA
Barium	33		0.53	0.060	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.41		0.21	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.33	B	0.11	0.019	mg/Kg	1	☼	6010B	Total/NA
Calcium	160000	B	110	18	mg/Kg	10	☼	6010B	Total/NA
Chromium	9.6		0.53	0.26	mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.5		0.26	0.069	mg/Kg	1	☼	6010B	Total/NA
Copper	18		0.53	0.15	mg/Kg	1	☼	6010B	Total/NA
Iron	15000	B	11	5.5	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.26	0.12	mg/Kg	1	☼	6010B	Total/NA
Magnesium	45000	B	5.3	2.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	400	B	0.53	0.076	mg/Kg	1	☼	6010B	Total/NA
Nickel	20	B	0.53	0.15	mg/Kg	1	☼	6010B	Total/NA
Potassium	1600		26	9.3	mg/Kg	1	☼	6010B	Total/NA
Sodium	1300	B	53	7.8	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.26	0.062	mg/Kg	1	☼	6010B	Total/NA
Zinc	57	B	1.1	0.46	mg/Kg	1	☼	6010B	Total/NA
Mercury	21	B	18	5.9	ug/Kg	1	☼	7471B	Total/NA
pH	7.7		0.20	0.20	SU	1		9045D	Total/NA
Chloride	2200		220	190	mg/Kg	100	☼	9056A	Total/NA
Fluoride	1.1	J	2.2	0.74	mg/Kg	1	☼	9056A	Total/NA
Sulfate	87	B	2.2	1.0	mg/Kg	1	☼	9056A	Total/NA

Client Sample ID: B-8(4-7)083117 — Lab Sample ID: 500-133400-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	10	J	34	4.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	11	J	34	6.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	12	J	34	7.4	ug/Kg	1	☼	8270D	Total/NA
Chrysene	9.4	J	34	9.4	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	15	J	34	6.4	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	11	J	34	4.8	ug/Kg	1	☼	8270D	Total/NA
Pyrene	18	J	34	6.8	ug/Kg	1	☼	8270D	Total/NA
Barium	0.30	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0020	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Cobalt	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Manganese	3.7		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.020	J	0.025	0.010	mg/L	1		6010B	TCLP
Arsenic	3.5		0.51	0.17	mg/Kg	1	☼	6010B	Total/NA
Barium	15		0.51	0.058	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.15	J	0.20	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.18	B	0.10	0.018	mg/Kg	1	☼	6010B	Total/NA
Calcium	270000	B	100	17	mg/Kg	10	☼	6010B	Total/NA
Chromium	3.4		0.51	0.25	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.8		0.26	0.067	mg/Kg	1	☼	6010B	Total/NA
Copper	7.1		0.51	0.14	mg/Kg	1	☼	6010B	Total/NA
Iron	7900	B	10	5.3	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-8(4-7)083117 (Continued) — Lab Sample ID: 500-133400-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.4		0.26	0.12	mg/Kg	1	☼	6010B	Total/NA
Magnesium	170000	B	51	25	mg/Kg	10	☼	6010B	Total/NA
Manganese	280	B	0.51	0.074	mg/Kg	1	☼	6010B	Total/NA
Nickel	7.3	B	0.51	0.15	mg/Kg	1	☼	6010B	Total/NA
Potassium	650		26	9.1	mg/Kg	1	☼	6010B	Total/NA
Sodium	650	B	51	7.6	mg/Kg	1	☼	6010B	Total/NA
Vanadium	5.3		0.26	0.060	mg/Kg	1	☼	6010B	Total/NA
Zinc	18	B	1.0	0.45	mg/Kg	1	☼	6010B	Total/NA
Mercury	9.8	J B	18	5.9	ug/Kg	1	☼	7471B	Total/NA
pH	7.9		0.20	0.20	SU	1		9045D	Total/NA
Chloride	1400		110	90	mg/Kg	50	☼	9056A	Total/NA
Sulfate	64	B	2.1	1.0	mg/Kg	1	☼	9056A	Total/NA

Client Sample ID: B-1(0-4)083117 — Lab Sample ID: 500-133400-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	8.5	J	40	5.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	16	J	40	7.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	15	J	40	8.7	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	12	J	40	10	ug/Kg	1	☼	8270D	Total/NA
Pyrene	9.3	J	40	8.0	ug/Kg	1	☼	8270D	Total/NA
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0025	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Cobalt	0.024	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.024	J	0.025	0.010	mg/L	1		6010B	TCLP
Manganese	5.6		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.032		0.025	0.010	mg/L	1		6010B	TCLP
Iron	2.0		0.40	0.20	mg/L	1		6010B	SPLP East
Manganese	0.023	J	0.025	0.010	mg/L	1		6010B	SPLP East
Arsenic	9.6		0.62	0.21	mg/Kg	1	☼	6010B	Total/NA
Barium	110		0.62	0.071	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.93		0.25	0.058	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.20	B	0.12	0.022	mg/Kg	1	☼	6010B	Total/NA
Calcium	2800	B	12	2.1	mg/Kg	1	☼	6010B	Total/NA
Chromium	23		0.62	0.31	mg/Kg	1	☼	6010B	Total/NA
Cobalt	18		0.31	0.081	mg/Kg	1	☼	6010B	Total/NA
Copper	27		0.62	0.17	mg/Kg	1	☼	6010B	Total/NA
Iron	27000	B	12	6.5	mg/Kg	1	☼	6010B	Total/NA
Lead	21		0.31	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	5600	B	6.2	3.1	mg/Kg	1	☼	6010B	Total/NA
Manganese	470	B	0.62	0.090	mg/Kg	1	☼	6010B	Total/NA
Nickel	45	B	0.62	0.18	mg/Kg	1	☼	6010B	Total/NA
Potassium	2900		31	11	mg/Kg	1	☼	6010B	Total/NA
Sodium	11000	B	62	9.2	mg/Kg	1	☼	6010B	Total/NA
Vanadium	33		0.31	0.073	mg/Kg	1	☼	6010B	Total/NA
Zinc	95	B	1.2	0.54	mg/Kg	1	☼	6010B	Total/NA
Mercury	23	B	18	5.9	ug/Kg	1	☼	7471B	Total/NA
pH	7.3		0.20	0.20	SU	1		9045D	Total/NA
Chloride	16000		1200	1000	mg/Kg	500	☼	9056A	Total/NA
Sulfate	220		4.9	2.3	mg/Kg	2	☼	9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-1(4-7)083117 — Lab Sample ID: 500-133400-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	11	J	38	7.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	12	J	38	8.2	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	12	J	38	7.0	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	8.4	J	38	5.3	ug/Kg	1	☼	8270D	Total/NA
Pyrene	15	J	38	7.5	ug/Kg	1	☼	8270D	Total/NA
Barium	0.31	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0020	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Manganese	3.1		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.015	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	3.8		0.40	0.20	mg/L	1		6010B	SPLP East
Manganese	0.031		0.025	0.010	mg/L	1		6010B	SPLP East
Arsenic	17		0.55	0.19	mg/Kg	1	☼	6010B	Total/NA
Barium	17		0.55	0.062	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.34		0.22	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.31	B	0.11	0.020	mg/Kg	1	☼	6010B	Total/NA
Calcium	170000	B	110	19	mg/Kg	10	☼	6010B	Total/NA
Chromium	6.1		0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.7		0.27	0.072	mg/Kg	1	☼	6010B	Total/NA
Copper	22		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Iron	28000	B	11	5.7	mg/Kg	1	☼	6010B	Total/NA
Lead	20		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	100000	B	55	27	mg/Kg	10	☼	6010B	Total/NA
Manganese	370	B	0.55	0.079	mg/Kg	1	☼	6010B	Total/NA
Nickel	16	B	0.55	0.16	mg/Kg	1	☼	6010B	Total/NA
Potassium	1200		27	9.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	6200	B	55	8.1	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.27	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	10		0.27	0.064	mg/Kg	1	☼	6010B	Total/NA
Zinc	100	B	1.1	0.48	mg/Kg	1	☼	6010B	Total/NA
Mercury	30	B	17	5.5	ug/Kg	1	☼	7471B	Total/NA
Cyanide, Total	1.7		0.58	0.20	mg/Kg	1	☼	9014	Total/NA
pH	8.0		0.20	0.20	SU	1		9045D	Total/NA
Chloride	3400		220	190	mg/Kg	100	☼	9056A	Total/NA
Sulfate	51	B	2.2	1.1	mg/Kg	1	☼	9056A	Total/NA

Client Sample ID: B-1(4-7)083117D — Lab Sample ID: 500-133400-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	9.7	J	36	4.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	13	J	36	7.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	17	J	36	7.8	ug/Kg	1	☼	8270D	Total/NA
Chrysene	15	J	36	9.8	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	19	J	36	6.7	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	11	J	36	5.0	ug/Kg	1	☼	8270D	Total/NA
Pyrene	21	J	36	7.1	ug/Kg	1	☼	8270D	Total/NA
Barium	0.23	J	0.50	0.050	mg/L	1		6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Manganese	1.7		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.016	J	0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-1(4-7)083117D (Continued)

Lab Sample ID: 500-133400-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	2.1	F1	0.40	0.20	mg/L	1		6010B	SPLP East
Manganese	0.017	J	0.025	0.010	mg/L	1		6010B	SPLP East
Antimony	0.38	J B	1.1	0.20	mg/Kg	1	☼	6010B	Total/NA
Arsenic	14		0.53	0.18	mg/Kg	1	☼	6010B	Total/NA
Barium	13		0.53	0.060	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.28		0.21	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.29	B	0.11	0.019	mg/Kg	1	☼	6010B	Total/NA
Calcium	240000	B	110	18	mg/Kg	10	☼	6010B	Total/NA
Chromium	5.4		0.53	0.26	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.5		0.26	0.069	mg/Kg	1	☼	6010B	Total/NA
Copper	17		0.53	0.15	mg/Kg	1	☼	6010B	Total/NA
Iron	23000	B	11	5.5	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.26	0.12	mg/Kg	1	☼	6010B	Total/NA
Magnesium	150000	B	53	26	mg/Kg	10	☼	6010B	Total/NA
Manganese	460	B	0.53	0.076	mg/Kg	1	☼	6010B	Total/NA
Nickel	12	B	0.53	0.15	mg/Kg	1	☼	6010B	Total/NA
Potassium	1000		26	9.3	mg/Kg	1	☼	6010B	Total/NA
Sodium	5300	B	53	7.8	mg/Kg	1	☼	6010B	Total/NA
Vanadium	8.6		0.26	0.062	mg/Kg	1	☼	6010B	Total/NA
Zinc	82	B	1.1	0.46	mg/Kg	1	☼	6010B	Total/NA
Mercury	25	B	16	5.5	ug/Kg	1	☼	7471B	Total/NA
Cyanide, Total	1.8		0.51	0.18	mg/Kg	1	☼	9014	Total/NA
pH	8.1		0.20	0.20	SU	1		9045D	Total/NA
Chloride	8800		440	380	mg/Kg	200	☼	9056A	Total/NA
Sulfate	170		4.4	2.1	mg/Kg	2	☼	9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
9056A	Anions, Ion Chromatography	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-133400-1	B-2(0-4)083117	Solid	08/31/17 08:30	08/31/17 13:40
500-133400-2	B-2(0-4)083117D	Solid	08/31/17 08:30	08/31/17 13:40
500-133400-3	B-2(4-8)083117	Solid	08/31/17 08:40	08/31/17 13:40
500-133400-4	B-3(0-4)083117	Solid	08/31/17 08:50	08/31/17 13:40
500-133400-5	B-3(4-6)083117	Solid	08/31/17 08:55	08/31/17 13:40
500-133400-6	B-4(0-4)083117	Solid	08/31/17 09:15	08/31/17 13:40
500-133400-7	B-4(4-6)083117	Solid	08/31/17 09:20	08/31/17 13:40
500-133400-8	B-5(0-5)083117	Solid	08/31/17 09:45	08/31/17 13:40
500-133400-9	B-6(0-4)083117	Solid	08/31/17 10:05	08/31/17 13:40
500-133400-10	B-7(0-3)083117	Solid	08/31/17 10:25	08/31/17 13:40
500-133400-11	B-8(0-4)083117	Solid	08/31/17 10:55	08/31/17 13:40
500-133400-12	B-8(4-7)083117	Solid	08/31/17 11:00	08/31/17 13:40
500-133400-14	B-1(0-4)083117	Solid	08/31/17 11:20	08/31/17 13:40
500-133400-15	B-1(4-7)083117	Solid	08/31/17 11:25	08/31/17 13:40
500-133400-16	B-1(4-7)083117D	Solid	08/31/17 11:25	08/31/17 13:40

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-2(0-4)083117
Date Collected: 08/31/17 08:30
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-1
Matrix: Solid
Percent Solids: 81.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.0	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Carbon disulfide	<4.0		4.0	0.84	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Chloroethane	<4.0	*	4.0	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
1,2-Dichloroethane	<4.0		4.0	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Ethylbenzene	<1.6		1.6	0.77	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
2-Hexanone	<4.0		4.0	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
trans-1,2-Dichloroethene	<1.6		1.6	0.71	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
1,1,2-Trichloroethane	<1.6		1.6	0.69	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1
Xylenes, Total	<3.2		3.2	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*75 - 131*	*08/31/17 15:37*	*09/01/17 15:16*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*08/31/17 15:37*	*09/01/17 15:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*08/31/17 15:37*	*09/01/17 15:16*	*1*
Toluene-d8 (Surr)	*101*		*75 - 124*	*08/31/17 15:37*	*09/01/17 15:16*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1

Client Sample ID: B-2(0-4)083117
Date Collected: 08/31/17 08:30
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-1
Matrix: Solid
Percent Solids: 81.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
2,4-Dinitrophenol	<810	F1	810	710	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
4,6-Dinitro-2-methylphenol	<810	F2	810	320	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Anthracene	<40		40	6.7	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Bis(2-ethylhexyl) phthalate	<200	F1	200	73	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Butyl benzyl phthalate	<200	F1	200	76	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Carbazole	<200		200	100	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Chrysene	<40		40	11	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Fluorene	<40		40	5.6	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Hexachlorocyclopentadiene	<810	F1	810	230	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Hexachloroethane	<200		200	61	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1

Client Sample ID: B-2(0-4)083117
Date Collected: 08/31/17 08:30
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-1
Matrix: Solid
Percent Solids: 81.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Isophorone	<200		200	45	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Naphthalene	<40		40	6.2	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
N-Nitrosodiphenylamine	<200	F1	200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Phenol	<200		200	89	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1
Pyrene	<40	F1	40	8.0	ug/Kg	☼	09/06/17 07:09	09/07/17 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*25 - 139*	*09/06/17 07:09*	*09/07/17 15:01*	*1*
2-Fluorobiphenyl	*93*		*44 - 121*	*09/06/17 07:09*	*09/07/17 15:01*	*1*
2-Fluorophenol	*104*		*46 - 133*	*09/06/17 07:09*	*09/07/17 15:01*	*1*
Nitrobenzene-d5	*94*		*41 - 120*	*09/06/17 07:09*	*09/07/17 15:01*	*1*
Phenol-d5	*104*		*46 - 125*	*09/06/17 07:09*	*09/07/17 15:01*	*1*
Terphenyl-d14	*120*		*35 - 160*	*09/06/17 07:09*	*09/07/17 15:01*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/05/17 23:55	1
Barium	**0.25**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/05/17 23:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/05/17 23:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/05/17 23:55	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:55	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:55	1
Copper	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:55	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/05/17 23:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/05/17 23:55	1
Manganese	**0.16**		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:55	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:55	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/05/17 23:55	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:55	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/05/17 23:55	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/05/17 23:29	1
Barium	**0.066**	**J**	0.50	0.050	mg/L		09/05/17 07:32	09/05/17 23:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/05/17 23:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/05/17 23:29	1
Chromium	**0.015**	**J**	0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:29	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:29	1
Copper	**0.021**	**J**	0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:29	1
Iron	**15**		0.40	0.20	mg/L		09/05/17 07:32	09/05/17 23:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/05/17 23:29	1
Manganese	**0.089**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:29	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:29	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/05/17 23:29	1

Client Sample ID: B-2(0-4)083117
Date Collected: 08/31/17 08:30
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-1
Matrix: Solid
Percent Solids: 81.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:29	1
Zinc	**0.040**	**J**	0.50	0.020	mg/L		09/05/17 07:32	09/05/17 23:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2	F1	1.2	0.23	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Arsenic	**9.9**	**F1**	0.59	0.20	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Barium	**70**	**F1**	0.59	0.067	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Beryllium	**0.78**	**F1**	0.24	0.055	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Cadmium	**0.13**	**F1 B**	0.12	0.021	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Calcium	**740**	**F2 F1 B**	12	2.0	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Chromium	**19**		0.59	0.29	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Cobalt	**14**		0.30	0.077	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Copper	**27**	**F1**	0.59	0.17	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Iron	**24000**	**B**	12	6.1	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Lead	**19**		0.30	0.14	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Magnesium	**3500**	**F2 B**	5.9	2.9	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Manganese	**420**	**B**	0.59	0.086	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Nickel	**39**	**B**	0.59	0.17	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Potassium	**2000**	**F1**	30	10	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Selenium	<0.59	F1	0.59	0.35	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Silver	<0.30	F1	0.30	0.076	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Sodium	**1800**	**B**	59	8.7	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Vanadium	**25**		0.30	0.070	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1
Zinc	**86**	**F1 B**	1.2	0.52	mg/Kg	☼	09/01/17 16:31	09/02/17 23:36	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:45	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**39**	**B**	19	6.3	ug/Kg	☼	09/01/17 15:50	09/05/17 11:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.53		0.53	0.18	mg/Kg	☼	09/05/17 12:44	09/05/17 16:07	1
pH	**5.9**		0.20	0.20	SU			09/12/17 15:24	1
Chloride	**2300**		120	100	mg/Kg	☼	09/07/17 10:45	09/08/17 01:43	50
Fluoride	<2.4		2.4	0.79	mg/Kg	☼	09/07/17 10:45	09/07/17 13:16	1
Sulfate	**97**	**B**	2.4	1.1	mg/Kg	☼	09/07/17 10:45	09/07/17 13:16	1

Client Sample ID: B-2(0-4)083117D
Date Collected: 08/31/17 08:30
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-2
Matrix: Solid
Percent Solids: 81.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.6	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Bromoform	<1.7		1.7	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Carbon disulfide	<4.3		4.3	0.90	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Chloroethane	<4.3	*	4.3	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
1,2-Dichloroethane	<4.3		4.3	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
1,1-Dichloroethene	<1.7		1.7	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Ethylbenzene	<1.7		1.7	0.83	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
2-Hexanone	<4.3		4.3	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Trichloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Vinyl chloride	<1.7		1.7	0.77	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*75 - 131*	*08/31/17 15:37*	*09/01/17 15:41*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*08/31/17 15:37*	*09/01/17 15:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*	*08/31/17 15:37*	*09/01/17 15:41*	*1*
Toluene-d8 (Surr)	*99*		*75 - 124*	*08/31/17 15:37*	*09/01/17 15:41*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1

Client Sample ID: B-2(0-4)083117D
Date Collected: 08/31/17 08:30
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-2
Matrix: Solid
Percent Solids: 81.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	93	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
2,4-Dinitrophenol	<820		820	710	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
2-Methylnaphthalene	<82		82	7.5	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
2-Methylphenol	<200		200	65	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
2-Nitroaniline	<200		200	55	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Anthracene	<40		40	6.8	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Benzo[a]anthracene	<40		40	5.5	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Carbazole	<200		200	100	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Chrysene	<40		40	11	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Fluorene	<40		40	5.7	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Hexachloroethane	<200		200	62	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1

Client Sample ID: B-2(0-4)083117D
Date Collected: 08/31/17 08:30
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-2
Matrix: Solid
Percent Solids: 81.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	11	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Isophorone	<200		200	46	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Naphthalene	<40		40	6.2	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
N-Nitrosodi-n-propylamine	<82		82	50	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Phenanthrene	<40		40	5.7	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Phenol	<200		200	90	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1
Pyrene	<40		40	8.1	ug/Kg	☼	09/06/17 07:09	09/07/17 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*46*		*25 - 139*	*09/06/17 07:09*	*09/07/17 15:54*	*1*
2-Fluorobiphenyl	*82*		*44 - 121*	*09/06/17 07:09*	*09/07/17 15:54*	*1*
2-Fluorophenol	*90*		*46 - 133*	*09/06/17 07:09*	*09/07/17 15:54*	*1*
Nitrobenzene-d5	*83*		*41 - 120*	*09/06/17 07:09*	*09/07/17 15:54*	*1*
Phenol-d5	*88*		*46 - 125*	*09/06/17 07:09*	*09/07/17 15:54*	*1*
Terphenyl-d14	*100*		*35 - 160*	*09/06/17 07:09*	*09/07/17 15:54*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/05/17 23:59	1
Barium	**0.26**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/05/17 23:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/05/17 23:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/05/17 23:59	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:59	1
Cobalt	**0.025**		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:59	1
Copper	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:59	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/05/17 23:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/05/17 23:59	1
Manganese	**1.4**		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:59	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:59	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/05/17 23:59	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:59	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/05/17 23:59	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.077**		0.050	0.010	mg/L		09/05/17 07:32	09/05/17 23:33	1
Barium	**0.80**		0.50	0.050	mg/L		09/05/17 07:32	09/05/17 23:33	1
Beryllium	**0.0076**		0.0040	0.0040	mg/L		09/05/17 07:32	09/05/17 23:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/05/17 23:33	1
Chromium	**0.15**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:33	1
Cobalt	**0.059**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:33	1
Copper	**0.27**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:33	1
Iron	**210**		0.40	0.20	mg/L		09/05/17 07:32	09/05/17 23:33	1
Lead	**0.11**		0.0075	0.0075	mg/L		09/05/17 07:32	09/05/17 23:33	1
Manganese	**1.5**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:33	1
Nickel	**0.26**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:33	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/05/17 23:33	1

Client Sample ID: B-2(0-4)083117D
Date Collected: 08/31/17 08:30
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-2
Matrix: Solid
Percent Solids: 81.9

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:33	1
Zinc	**0.64**		0.50	0.020	mg/L		09/05/17 07:32	09/05/17 23:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.23	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Arsenic	**13**		0.60	0.21	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Barium	**71**		0.60	0.068	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Beryllium	**0.84**		0.24	0.056	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Cadmium	**0.13**	**B**	0.12	0.022	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Calcium	**730**	**B**	12	2.0	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Chromium	**21**		0.60	0.30	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Cobalt	**14**		0.30	0.079	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Copper	**28**		0.60	0.17	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Iron	**28000**	**B**	12	6.2	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Lead	**22**		0.30	0.14	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Magnesium	**3600**	**B**	6.0	3.0	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Manganese	**440**	**B**	0.60	0.087	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Nickel	**36**	**B**	0.60	0.17	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Potassium	**1900**		30	11	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Selenium	**0.44**	**J**	0.60	0.35	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Silver	<0.30		0.30	0.078	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Sodium	**2500**	**B**	60	8.9	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Vanadium	**30**		0.30	0.071	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1
Zinc	**84**	**B**	1.2	0.53	mg/Kg	☼	09/01/17 16:31	09/02/17 23:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:47	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.52**		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:24	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**39**	**B**	20	6.8	ug/Kg	☼	09/01/17 15:50	09/05/17 11:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	09/05/17 12:44	09/05/17 16:08	1
pH	**6.1**		0.20	0.20	SU			09/12/17 15:27	1
Chloride	**1700**		110	97	mg/Kg	☼	09/07/17 10:45	09/08/17 01:56	50
Fluoride	**7.5**		2.3	0.77	mg/Kg	☼	09/07/17 10:45	09/07/17 13:28	1
Sulfate	**100**	**B**	2.3	1.1	mg/Kg	☼	09/07/17 10:45	09/07/17 13:28	1

Client Sample ID: B-2(4-8)083117
Date Collected: 08/31/17 08:40
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-3
Matrix: Solid
Percent Solids: 88.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<14		14	6.1	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Benzene	<1.4		1.4	0.36	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Bromodichloromethane	<1.4		1.4	0.29	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Bromoform	<1.4		1.4	0.41	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Bromomethane	<3.5		3.5	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Carbon disulfide	<3.5		3.5	0.73	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Carbon tetrachloride	<1.4		1.4	0.41	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Chlorobenzene	<1.4		1.4	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Chloroethane	<3.5	*	3.5	1.0	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Chloroform	<1.4		1.4	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Chloromethane	<3.5		3.5	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
cis-1,2-Dichloroethene	<1.4		1.4	0.39	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
cis-1,3-Dichloropropene	<1.4		1.4	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Dibromochloromethane	<1.4		1.4	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
1,1-Dichloroethane	<1.4		1.4	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
1,2-Dichloroethane	<3.5		3.5	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
1,1-Dichloroethene	<1.4		1.4	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
1,2-Dichloropropane	<1.4		1.4	0.36	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
1,3-Dichloropropene, Total	<1.4		1.4	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Ethylbenzene	<1.4		1.4	0.67	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
2-Hexanone	<3.5		3.5	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Methylene Chloride	<3.5		3.5	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Methyl Ethyl Ketone	<3.5		3.5	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
methyl isobutyl ketone	<3.5		3.5	1.0	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Methyl tert-butyl ether	<1.4		1.4	0.41	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Styrene	<1.4		1.4	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Tetrachloroethene	<1.4		1.4	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Toluene	<1.4		1.4	0.35	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
trans-1,2-Dichloroethene	<1.4		1.4	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
trans-1,3-Dichloropropene	<1.4		1.4	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
1,1,1-Trichloroethane	<1.4		1.4	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
1,1,2-Trichloroethane	<1.4		1.4	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Trichloroethene	<1.4		1.4	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Vinyl chloride	<1.4		1.4	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1
Xylenes, Total	<2.8		2.8	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*75 - 131*	*08/31/17 15:37*	*09/01/17 16:06*	*1*
Dibromofluoromethane	*102*		*75 - 126*	*08/31/17 15:37*	*09/01/17 16:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*08/31/17 15:37*	*09/01/17 16:06*	*1*
Toluene-d8 (Surr)	*99*		*75 - 124*	*08/31/17 15:37*	*09/01/17 16:06*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1

Client Sample ID: B-2(4-8)083117
Date Collected: 08/31/17 08:40
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-3
Matrix: Solid
Percent Solids: 88.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
2-Methylnaphthalene	<75		75	6.8	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
2-Methylphenol	<190		190	59	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
4,6-Dinitro-2-methylphenol	<750		750	300	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Anthracene	<37		37	6.2	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Benzo[b]fluoranthene	<37		37	8.0	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Carbazole	<190		190	92	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Chrysene	<37		37	10	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Dibenzofuran	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Hexachloroethane	<190		190	56	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1

Client Sample ID: B-2(4-8)083117
Date Collected: 08/31/17 08:40
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-3
Matrix: Solid
Percent Solids: 88.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.6	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Isophorone	<190		190	42	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
N-Nitrosodi-n-propylamine	<75		75	45	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Phenol	<190		190	82	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1
Pyrene	<37		37	7.3	ug/Kg	☼	09/06/17 07:09	09/07/17 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*27*		*25 - 139*	*09/06/17 07:09*	*09/07/17 16:21*	*1*
2-Fluorobiphenyl	*92*		*44 - 121*	*09/06/17 07:09*	*09/07/17 16:21*	*1*
2-Fluorophenol	*101*		*46 - 133*	*09/06/17 07:09*	*09/07/17 16:21*	*1*
Nitrobenzene-d5	*93*		*41 - 120*	*09/06/17 07:09*	*09/07/17 16:21*	*1*
Phenol-d5	*95*		*46 - 125*	*09/06/17 07:09*	*09/07/17 16:21*	*1*
Terphenyl-d14	*100*		*35 - 160*	*09/06/17 07:09*	*09/07/17 16:21*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:03	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:03	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:03	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:03	1
Copper	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:03	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:03	1
Manganese	**0.43**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:03	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:03	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:03	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:03	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:03	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/05/17 23:37	1
Barium	<0.50		0.50	0.050	mg/L		09/05/17 07:32	09/05/17 23:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/05/17 23:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/05/17 23:37	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:37	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:37	1
Copper	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:37	1
Iron	**0.41**		0.40	0.20	mg/L		09/05/17 07:32	09/05/17 23:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/05/17 23:37	1
Manganese	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:37	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:37	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/05/17 23:37	1

Client Sample ID: B-2(4-8)083117
Date Collected: 08/31/17 08:40
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-3
Matrix: Solid
Percent Solids: 88.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:37	1
Zinc	<0.50		0.50	0.020	mg/L		09/05/17 07:32	09/05/17 23:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.29**	**J B**	1.1	0.21	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Arsenic	**13**		0.54	0.19	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Barium	**28**		0.54	0.062	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Beryllium	**0.39**		0.22	0.051	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Cadmium	**0.38**	**B**	0.11	0.020	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Calcium	**150000**	**B**	110	18	mg/Kg	☼	09/01/17 16:31	09/05/17 16:46	10
Chromium	**8.1**		0.54	0.27	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Cobalt	**8.6**		0.27	0.071	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Copper	**22**		0.54	0.15	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Iron	**22000**	**B**	11	5.6	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Lead	**12**		0.27	0.13	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Magnesium	**49000**	**B**	5.4	2.7	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Manganese	**420**	**B**	0.54	0.079	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Nickel	**20**	**B**	0.54	0.16	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Potassium	**1400**		27	9.6	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Sodium	**350**	**B**	54	8.0	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Vanadium	**13**		0.27	0.064	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1
Zinc	**74**	**B**	1.1	0.48	mg/Kg	☼	09/01/17 16:31	09/03/17 00:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:48	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**32**	**B**	17	5.6	ug/Kg	☼	09/01/17 15:50	09/05/17 11:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.53		0.53	0.18	mg/Kg	☼	09/05/17 12:44	09/05/17 16:08	1
pH	**7.9**		0.20	0.20	SU			09/06/17 15:24	1
Chloride	**760**		43	36	mg/Kg	☼	09/07/17 10:45	09/08/17 02:09	20
Fluoride	**0.97**	**J**	2.1	0.72	mg/Kg	☼	09/07/17 10:45	09/07/17 13:41	1
Sulfate	**19**	**B**	2.1	1.0	mg/Kg	☼	09/07/17 10:45	09/07/17 13:41	1

Client Sample ID: B-3(0-4)083117
Date Collected: 08/31/17 08:50
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-4
Matrix: Solid
Percent Solids: 81.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	7.9	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Bromoform	<1.8		1.8	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Bromomethane	<4.5		4.5	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Carbon disulfide	<4.5		4.5	0.94	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Carbon tetrachloride	<1.8		1.8	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Chlorobenzene	<1.8		1.8	0.67	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Chloroethane	<4.5	*	4.5	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Chloroform	<1.8		1.8	0.63	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Chloromethane	<4.5		4.5	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
cis-1,2-Dichloroethene	<1.8		1.8	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
cis-1,3-Dichloropropene	<1.8		1.8	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Dibromochloromethane	<1.8		1.8	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,1-Dichloroethane	<1.8		1.8	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,2-Dichloroethane	<4.5		4.5	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,1-Dichloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,3-Dichloropropene, Total	<1.8		1.8	0.64	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Ethylbenzene	<1.8		1.8	0.87	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
2-Hexanone	<4.5		4.5	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Methylene Chloride	<4.5		4.5	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Methyl Ethyl Ketone	<4.5		4.5	2.0	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
methyl isobutyl ketone	<4.5		4.5	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Styrene	<1.8		1.8	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Tetrachloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
trans-1,2-Dichloroethene	<1.8		1.8	0.80	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
trans-1,3-Dichloropropene	<1.8		1.8	0.64	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,1,1-Trichloroethane	<1.8		1.8	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
1,1,2-Trichloroethane	<1.8		1.8	0.78	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Trichloroethene	<1.8		1.8	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Vinyl chloride	<1.8		1.8	0.80	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1
Xylenes, Total	<3.6		3.6	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*75 - 131*	*08/31/17 15:37*	*09/01/17 16:31*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*08/31/17 15:37*	*09/01/17 16:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*08/31/17 15:37*	*09/01/17 16:31*	*1*
Toluene-d8 (Surr)	*99*		*75 - 124*	*08/31/17 15:37*	*09/01/17 16:31*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
1,4-Dichlorobenzene	<210		210	52	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,2'-oxybis[1-chloropropane]	<210		210	47	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-3(0-4)083117
Date Collected: 08/31/17 08:50
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-4
Matrix: Solid
Percent Solids: 81.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	93	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,4-Dichlorophenol	<410		410	97	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,4-Dimethylphenol	<410		410	150	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2,6-Dinitrotoluene	<210		210	80	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2-Methylnaphthalene	<82		82	7.5	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2-Methylphenol	<210		210	66	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
2-Nitrophenol	<410		410	96	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
3 & 4 Methylphenol	<210		210	68	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
3,3'-Dichlorobenzidine	<210		210	57	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Acenaphthene	<41		41	7.3	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Acenaphthylene	<41		41	5.4	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Anthracene	<41		41	6.8	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Benzo[a]anthracene	<41		41	5.5	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Benzo[a]pyrene	<41		41	7.9	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Benzo[b]fluoranthene	<41		41	8.8	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Benzo[g,h,i]perylene	<41		41	13	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Benzo[k]fluoranthene	<41		41	12	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Bis(2-chloroethyl)ether	<210		210	61	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Carbazole	<210		210	100	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Chrysene	<41		41	11	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Dibenz(a,h)anthracene	<41		41	7.9	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Dibenzofuran	<210		210	48	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Diethyl phthalate	<210		210	69	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Dimethyl phthalate	<210		210	53	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Di-n-butyl phthalate	<210		210	62	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Fluoranthene	<41		41	7.6	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Fluorene	<41		41	5.7	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Hexachlorobenzene	<82		82	9.5	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Hexachlorobutadiene	<210		210	64	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Hexachloroethane	<210		210	62	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1

Client Sample ID: B-3(0-4)083117
Date Collected: 08/31/17 08:50
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-4
Matrix: Solid
Percent Solids: 81.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<41		41	11	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Isophorone	<210		210	46	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Naphthalene	<41		41	6.3	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Nitrobenzene	<41		41	10	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
N-Nitrosodi-n-propylamine	<82		82	50	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
N-Nitrosodiphenylamine	<210		210	48	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Pentachlorophenol	<820		820	660	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Phenanthrene	<41		41	5.7	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Phenol	<210		210	91	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1
Pyrene	<41		41	8.1	ug/Kg	☼	09/06/17 07:09	09/07/17 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*38*		*25 - 139*	*09/06/17 07:09*	*09/07/17 19:54*	*1*
2-Fluorobiphenyl	*98*		*44 - 121*	*09/06/17 07:09*	*09/07/17 19:54*	*1*
2-Fluorophenol	*101*		*46 - 133*	*09/06/17 07:09*	*09/07/17 19:54*	*1*
Nitrobenzene-d5	*97*		*41 - 120*	*09/06/17 07:09*	*09/07/17 19:54*	*1*
Phenol-d5	*98*		*46 - 125*	*09/06/17 07:09*	*09/07/17 19:54*	*1*
Terphenyl-d14	*100*		*35 - 160*	*09/06/17 07:09*	*09/07/17 19:54*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Barium	**0.27**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:15	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Copper	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:15	1
Manganese	**0.035**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:15	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:15	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:15	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.078**		0.050	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Barium	**0.72**		0.50	0.050	mg/L		09/05/17 07:32	09/05/17 23:49	1
Beryllium	**0.0057**		0.0040	0.0040	mg/L		09/05/17 07:32	09/05/17 23:49	1
Cadmium	**0.0027**	**J**	0.0050	0.0020	mg/L		09/05/17 07:32	09/05/17 23:49	1
Chromium	**0.13**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Cobalt	**0.046**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Copper	**0.19**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Iron	**180**		0.40	0.20	mg/L		09/05/17 07:32	09/05/17 23:49	1
Lead	**0.080**		0.0075	0.0075	mg/L		09/05/17 07:32	09/05/17 23:49	1
Manganese	**1.4**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Nickel	**0.19**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/05/17 23:49	1

Client Sample ID: B-3(0-4)083117
Date Collected: 08/31/17 08:50
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-4
Matrix: Solid
Percent Solids: 81.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:49	1
Zinc	**0.66**		0.50	0.020	mg/L		09/05/17 07:32	09/05/17 23:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Arsenic	**13**		0.61	0.21	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Barium	**64**		0.61	0.070	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Beryllium	**0.63**		0.24	0.057	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Cadmium	**0.30**	**B**	0.12	0.022	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Calcium	**1700**	**B**	12	2.1	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Chromium	**16**		0.61	0.30	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Cobalt	**13**		0.31	0.080	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Copper	**26**		0.61	0.17	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Iron	**25000**	**B**	12	6.4	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Lead	**17**		0.31	0.14	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Magnesium	**3200**	**B**	6.1	3.0	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Manganese	**530**	**B**	0.61	0.089	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Nickel	**33**	**B**	0.61	0.18	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Potassium	**1700**		31	11	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Selenium	<0.61		0.61	0.36	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Silver	<0.31		0.31	0.079	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Sodium	**1700**	**B**	61	9.1	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Thallium	<0.61		0.61	0.31	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Vanadium	**24**		0.31	0.072	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1
Zinc	**110**	**B**	1.2	0.54	mg/Kg	☼	09/01/17 16:31	09/03/17 00:04	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:50	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.37**		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**42**	**B**	19	6.4	ug/Kg	☼	09/01/17 15:50	09/05/17 11:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.54		0.54	0.18	mg/Kg	☼	09/05/17 12:44	09/05/17 16:08	1
pH	**7.4**		0.20	0.20	SU			09/06/17 15:30	1
Chloride	**1900**		61	52	mg/Kg	☼	09/07/17 10:45	09/09/17 04:14	25
Fluoride	<2.4		2.4	0.81	mg/Kg	☼	09/07/17 10:45	09/07/17 13:54	1
Sulfate	**66**	**B**	2.4	1.2	mg/Kg	☼	09/07/17 10:45	09/07/17 13:54	1

Client Sample ID: B-3(4-6)083117
Date Collected: 08/31/17 08:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-5
Matrix: Solid
Percent Solids: 82.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.3	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Chloroethane	<4.2	*	4.2	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Methylene Chloride	<4.2		4.2	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
1,1,2-Trichloroethane	<1.7		1.7	0.72	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*75 - 131*	*08/31/17 15:37*	*09/01/17 16:57*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*08/31/17 15:37*	*09/01/17 16:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*08/31/17 15:37*	*09/01/17 16:57*	*1*
Toluene-d8 (Surr)	*100*		*75 - 124*	*08/31/17 15:37*	*09/01/17 16:57*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1

Client Sample ID: B-3(4-6)083117
Date Collected: 08/31/17 08:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-5
Matrix: Solid
Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2-Methylnaphthalene	<81		81	7.3	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Anthracene	<40		40	6.7	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Benzo[b]fluoranthene	<40		40	8.6	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Carbazole	<200		200	100	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Chrysene	<40		40	11	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Fluorene	<40		40	5.6	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Hexachloroethane	<200		200	61	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1

Client Sample ID: B-3(4-6)083117
Date Collected: 08/31/17 08:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-5
Matrix: Solid
Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Isophorone	<200		200	45	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Naphthalene	<40		40	6.1	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Phenol	<200		200	89	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1
Pyrene	<40		40	7.9	ug/Kg	☼	09/06/17 07:09	09/07/17 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*49*		*25 - 139*	*09/06/17 07:09*	*09/07/17 20:21*	*1*
2-Fluorobiphenyl	*98*		*44 - 121*	*09/06/17 07:09*	*09/07/17 20:21*	*1*
2-Fluorophenol	*95*		*46 - 133*	*09/06/17 07:09*	*09/07/17 20:21*	*1*
Nitrobenzene-d5	*100*		*41 - 120*	*09/06/17 07:09*	*09/07/17 20:21*	*1*
Phenol-d5	*95*		*46 - 125*	*09/06/17 07:09*	*09/07/17 20:21*	*1*
Terphenyl-d14	*99*		*35 - 160*	*09/06/17 07:09*	*09/07/17 20:21*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:19	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Copper	**0.032**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:19	1
Manganese	**0.71**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:19	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:19	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:19	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.023**	**J**	0.050	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Barium	**0.21**	**J**	0.50	0.050	mg/L		09/05/17 07:32	09/05/17 23:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/05/17 23:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/05/17 23:53	1
Chromium	**0.050**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Copper	**0.067**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Iron	**62**		0.40	0.20	mg/L		09/05/17 07:32	09/05/17 23:53	1
Lead	**0.030**		0.0075	0.0075	mg/L		09/05/17 07:32	09/05/17 23:53	1
Manganese	**0.42**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Nickel	**0.092**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/05/17 23:53	1

Client Sample ID: B-3(4-6)083117
Date Collected: 08/31/17 08:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-5
Matrix: Solid
Percent Solids: 82.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:53	1
Zinc	**0.21**	**J**	0.50	0.020	mg/L		09/05/17 07:32	09/05/17 23:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Arsenic	**11**		0.56	0.19	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Barium	**41**		0.56	0.063	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Beryllium	**0.67**		0.22	0.052	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Cadmium	**0.32**	**B**	0.11	0.020	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Calcium	**29000**	**B**	11	1.9	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Chromium	**15**		0.56	0.28	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Cobalt	**12**		0.28	0.073	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Copper	**28**		0.56	0.16	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Iron	**23000**	**B**	11	5.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Lead	**17**		0.28	0.13	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Magnesium	**21000**	**B**	5.6	2.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Manganese	**400**	**B**	0.56	0.081	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Nickel	**33**	**B**	0.56	0.16	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Potassium	**2400**		28	9.9	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Sodium	**790**	**B**	56	8.2	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Thallium	**0.32**	**J**	0.56	0.28	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Vanadium	**21**		0.28	0.066	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1
Zinc	**100**	**B**	1.1	0.49	mg/Kg	☼	09/01/17 16:31	09/03/17 00:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:51	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**41**	**B**	18	6.1	ug/Kg	☼	09/01/17 15:50	09/05/17 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.20	mg/Kg	☼	09/05/17 12:44	09/05/17 16:09	1
pH	**7.6**		0.20	0.20	SU			09/06/17 15:33	1
Chloride	**1300**		48	41	mg/Kg	☼	09/07/17 10:45	09/08/17 02:34	20
Fluoride	**2.3**	**J**	2.4	0.80	mg/Kg	☼	09/07/17 10:45	09/07/17 14:32	1
Sulfate	**19**	**B**	2.4	1.1	mg/Kg	☼	09/07/17 10:45	09/07/17 14:32	1

Client Sample ID: B-4(0-4)083117
Date Collected: 08/31/17 09:15
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-6
Matrix: Solid
Percent Solids: 80.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	7.6	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Benzene	<1.8		1.8	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Bromodichloromethane	<1.8		1.8	0.36	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Bromoform	<1.8		1.8	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Bromomethane	<4.4		4.4	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Carbon disulfide	<4.4		4.4	0.91	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Carbon tetrachloride	<1.8		1.8	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Chlorobenzene	<1.8		1.8	0.65	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Chloroethane	<4.4	*	4.4	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Chloroform	<1.8		1.8	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Chloromethane	<4.4		4.4	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
cis-1,2-Dichloroethene	<1.8		1.8	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
cis-1,3-Dichloropropene	<1.8		1.8	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Dibromochloromethane	<1.8		1.8	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,1-Dichloroethane	<1.8		1.8	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,2-Dichloroethane	<4.4		4.4	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,1-Dichloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,2-Dichloropropane	<1.8		1.8	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,3-Dichloropropene, Total	<1.8		1.8	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Ethylbenzene	<1.8		1.8	0.84	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
2-Hexanone	<4.4		4.4	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Methylene Chloride	<4.4		4.4	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Methyl Ethyl Ketone	<4.4		4.4	1.9	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
methyl isobutyl ketone	<4.4		4.4	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Methyl tert-butyl ether	<1.8		1.8	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Styrene	<1.8		1.8	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Tetrachloroethene	<1.8		1.8	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Toluene	<1.8		1.8	0.44	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
trans-1,2-Dichloroethene	<1.8		1.8	0.78	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
trans-1,3-Dichloropropene	<1.8		1.8	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,1,1-Trichloroethane	<1.8		1.8	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
1,1,2-Trichloroethane	<1.8		1.8	0.75	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Trichloroethene	<1.8		1.8	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Vinyl chloride	<1.8		1.8	0.77	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1
Xylenes, Total	<3.5		3.5	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*75 - 131*	*08/31/17 15:37*	*09/01/17 17:22*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*08/31/17 15:37*	*09/01/17 17:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*08/31/17 15:37*	*09/01/17 17:22*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*08/31/17 15:37*	*09/01/17 17:22*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1

Client Sample ID: B-4(0-4)083117
Date Collected: 08/31/17 09:15
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-6
Matrix: Solid
Percent Solids: 80.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2-Methylnaphthalene	<79		79	7.2	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2-Methylphenol	<200		200	63	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Anthracene	<39		39	6.5	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Benzo[b]fluoranthene	<39		39	8.4	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Carbazole	<200		200	98	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Chrysene	<39		39	11	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Dibenzofuran	<200		200	46	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Fluorene	<39		39	5.5	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Hexachloroethane	<200		200	59	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1

Client Sample ID: B-4(0-4)083117
Date Collected: 08/31/17 09:15
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-6
Matrix: Solid
Percent Solids: 80.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Isophorone	<200		200	44	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Naphthalene	<39		39	6.0	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Phenol	<200		200	87	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1
Pyrene	<39		39	7.8	ug/Kg	☼	09/06/17 07:09	09/07/17 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*36*		*25 - 139*	*09/06/17 07:09*	*09/07/17 15:27*	*1*
2-Fluorobiphenyl	*82*		*44 - 121*	*09/06/17 07:09*	*09/07/17 15:27*	*1*
2-Fluorophenol	*90*		*46 - 133*	*09/06/17 07:09*	*09/07/17 15:27*	*1*
Nitrobenzene-d5	*85*		*41 - 120*	*09/06/17 07:09*	*09/07/17 15:27*	*1*
Phenol-d5	*89*		*46 - 125*	*09/06/17 07:09*	*09/07/17 15:27*	*1*
Terphenyl-d14	*99*		*35 - 160*	*09/06/17 07:09*	*09/07/17 15:27*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:23	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Copper	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:23	1
Manganese	**0.29**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:23	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:23	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:23	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.095**		0.050	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Barium	**0.66**		0.50	0.050	mg/L		09/05/17 07:32	09/05/17 23:57	1
Beryllium	**0.0079**		0.0040	0.0040	mg/L		09/05/17 07:32	09/05/17 23:57	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/05/17 07:32	09/05/17 23:57	1
Chromium	**0.16**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Cobalt	**0.051**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Copper	**0.28**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Iron	**210**		0.40	0.20	mg/L		09/05/17 07:32	09/05/17 23:57	1
Lead	**0.097**		0.0075	0.0075	mg/L		09/05/17 07:32	09/05/17 23:57	1
Manganese	**1.1**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Nickel	**0.27**		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/05/17 23:57	1

Client Sample ID: B-4(0-4)083117
Date Collected: 08/31/17 09:15
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-6
Matrix: Solid
Percent Solids: 80.9

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:57	1
Zinc	**0.62**		0.50	0.020	mg/L		09/05/17 07:32	09/05/17 23:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Arsenic	**9.1**		0.57	0.20	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Barium	**79**		0.57	0.065	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Beryllium	**0.77**		0.23	0.053	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Cadmium	**0.25**	**B**	0.11	0.021	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Calcium	**21000**	**B**	11	1.9	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Chromium	**19**		0.57	0.28	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Cobalt	**14**		0.29	0.075	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Copper	**26**		0.57	0.16	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Iron	**23000**	**B**	11	5.9	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Lead	**16**		0.29	0.13	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Magnesium	**17000**	**B**	5.7	2.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Manganese	**410**	**B**	0.57	0.083	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Nickel	**39**	**B**	0.57	0.17	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Potassium	**2700**		29	10	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Silver	<0.29		0.29	0.074	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Sodium	**2900**	**B**	57	8.4	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Vanadium	**26**		0.29	0.067	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1
Zinc	**70**	**B**	1.1	0.50	mg/Kg	☼	09/01/17 16:31	09/03/17 00:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:56	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.30**		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**36**	**B**	20	6.6	ug/Kg	☼	09/01/17 15:50	09/05/17 11:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.53		0.53	0.18	mg/Kg	☼	09/05/17 12:44	09/05/17 16:09	1
pH	**7.5**		0.20	0.20	SU			09/06/17 15:36	1
Chloride	**2300**		120	98	mg/Kg	☼	09/07/17 10:45	09/08/17 02:46	50
Fluoride	**7.2**		2.3	0.78	mg/Kg	☼	09/07/17 10:45	09/07/17 14:44	1
Sulfate	**65**	**B**	2.3	1.1	mg/Kg	☼	09/07/17 10:45	09/07/17 14:44	1

Client Sample ID: B-4(4-6)083117
Date Collected: 08/31/17 09:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-7
Matrix: Solid
Percent Solids: 85.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.7	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Benzene	<1.5		1.5	0.39	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Bromodichloromethane	<1.5		1.5	0.31	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Bromoform	<1.5		1.5	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Bromomethane	<3.8		3.8	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Carbon disulfide	<3.8		3.8	0.80	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Carbon tetrachloride	<1.5		1.5	0.44	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Chlorobenzene	<1.5		1.5	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Chloroethane	<3.8	*	3.8	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Chloroform	<1.5		1.5	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Chloromethane	<3.8		3.8	1.5	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
cis-1,2-Dichloroethene	<1.5		1.5	0.43	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
cis-1,3-Dichloropropene	<1.5		1.5	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Dibromochloromethane	<1.5		1.5	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,1-Dichloroethane	<1.5		1.5	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,2-Dichloroethane	<3.8		3.8	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,1-Dichloroethene	<1.5		1.5	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,2-Dichloropropane	<1.5		1.5	0.40	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,3-Dichloropropene, Total	<1.5		1.5	0.54	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Ethylbenzene	<1.5		1.5	0.73	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
2-Hexanone	<3.8		3.8	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Methylene Chloride	<3.8		3.8	1.5	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Methyl Ethyl Ketone	<3.8		3.8	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
methyl isobutyl ketone	<3.8		3.8	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Methyl tert-butyl ether	<1.5		1.5	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Styrene	<1.5		1.5	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Tetrachloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Toluene	<1.5		1.5	0.39	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
trans-1,2-Dichloroethene	<1.5		1.5	0.68	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
trans-1,3-Dichloropropene	<1.5		1.5	0.54	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,1,1-Trichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
1,1,2-Trichloroethane	<1.5		1.5	0.66	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Trichloroethene	<1.5		1.5	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Vinyl chloride	<1.5		1.5	0.68	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1
Xylenes, Total	<3.1		3.1	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*75 - 131*	*08/31/17 15:37*	*09/01/17 17:47*	*1*
Dibromofluoromethane	*102*		*75 - 126*	*08/31/17 15:37*	*09/01/17 17:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*08/31/17 15:37*	*09/01/17 17:47*	*1*
Toluene-d8 (Surr)	*100*		*75 - 124*	*08/31/17 15:37*	*09/01/17 17:47*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1

Client Sample ID: B-4(4-6)083117
Date Collected: 08/31/17 09:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-7
Matrix: Solid
Percent Solids: 85.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2-Methylnaphthalene	<78		78	7.1	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2-Methylphenol	<190		190	62	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Acenaphthene	<38		38	7.0	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Anthracene	<38		38	6.5	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Benzo[b]fluoranthene	<38		38	8.4	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Carbazole	<190		190	97	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Chrysene	<38		38	11	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Hexachloroethane	<190		190	59	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1

Client Sample ID: B-4(4-6)083117
Date Collected: 08/31/17 09:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-7
Matrix: Solid
Percent Solids: 85.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Isophorone	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Naphthalene	<38		38	6.0	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Phenol	<190		190	86	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1
Pyrene	<38		38	7.7	ug/Kg	☼	09/06/17 07:09	09/07/17 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*40*		*25 - 139*	*09/06/17 07:09*	*09/07/17 18:34*	*1*
2-Fluorobiphenyl	*91*		*44 - 121*	*09/06/17 07:09*	*09/07/17 18:34*	*1*
2-Fluorophenol	*95*		*46 - 133*	*09/06/17 07:09*	*09/07/17 18:34*	*1*
Nitrobenzene-d5	*90*		*41 - 120*	*09/06/17 07:09*	*09/07/17 18:34*	*1*
Phenol-d5	*95*		*46 - 125*	*09/06/17 07:09*	*09/07/17 18:34*	*1*
Terphenyl-d14	*96*		*35 - 160*	*09/06/17 07:09*	*09/07/17 18:34*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:27	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Copper	**0.035**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:27	1
Manganese	**1.1**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:27	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:27	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:27	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Barium	<0.50		0.50	0.050	mg/L		09/05/17 07:32	09/06/17 00:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/06/17 00:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/06/17 00:01	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Copper	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Iron	**5.3**		0.40	0.20	mg/L		09/05/17 07:32	09/06/17 00:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/06/17 00:01	1
Manganese	**0.033**		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/06/17 00:01	1

Client Sample ID: B-4(4-6)083117
Date Collected: 08/31/17 09:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-7
Matrix: Solid
Percent Solids: 85.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:01	1
Zinc	**0.023**	**J**	0.50	0.020	mg/L		09/05/17 07:32	09/06/17 00:01	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Arsenic	**12**		0.57	0.20	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Barium	**42**		0.57	0.065	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Beryllium	**0.52**		0.23	0.053	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Cadmium	**0.41**	**B**	0.11	0.021	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Calcium	**31000**	**B**	11	1.9	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Chromium	**12**		0.57	0.28	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Cobalt	**12**		0.29	0.075	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Copper	**27**		0.57	0.16	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Iron	**21000**	**B**	11	6.0	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Lead	**16**		0.29	0.13	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Magnesium	**21000**	**B**	5.7	2.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Manganese	**500**	**B**	0.57	0.083	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Nickel	**30**	**B**	0.57	0.17	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Potassium	**1900**		29	10	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Silver	<0.29		0.29	0.074	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Sodium	**2300**	**B**	57	8.5	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Thallium	<0.57		0.57	0.29	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Vanadium	**18**		0.29	0.068	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1
Zinc	**94**	**B**	1.1	0.50	mg/Kg	☼	09/01/17 16:31	09/03/17 00:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:57	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**26**	**B**	18	5.9	ug/Kg	☼	09/01/17 15:50	09/05/17 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.19	mg/Kg	☼	09/05/17 12:44	09/05/17 16:09	1
pH	**7.4**		0.20	0.20	SU			09/06/17 15:39	1
Chloride	**3000**		230	190	mg/Kg	☼	09/07/17 10:45	09/08/17 02:59	100
Fluoride	<2.3		2.3	0.76	mg/Kg	☼	09/07/17 10:45	09/07/17 14:57	1
Sulfate	**31**	**B**	2.3	1.1	mg/Kg	☼	09/07/17 10:45	09/07/17 14:57	1

Client Sample ID: B-5(0-5)083117
Date Collected: 08/31/17 09:45
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-8
Matrix: Solid
Percent Solids: 86.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.1	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Carbon disulfide	<4.1		4.1	0.84	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Chloroethane	<4.1	*	4.1	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1
Xylenes, Total	<3.2		3.2	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*75 - 131*	*08/31/17 15:37*	*09/01/17 18:12*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*08/31/17 15:37*	*09/01/17 18:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*	*08/31/17 15:37*	*09/01/17 18:12*	*1*
Toluene-d8 (Surr)	*99*		*75 - 124*	*08/31/17 15:37*	*09/01/17 18:12*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1

Client Sample ID: B-5(0-5)083117
Date Collected: 08/31/17 09:45
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-8
Matrix: Solid
Percent Solids: 86.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
2-Methylnaphthalene	<77		77	7.0	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Anthracene	<38		38	6.4	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Benzo[b]fluoranthene	<38		38	8.2	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Carbazole	<190		190	95	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Chrysene	<38		38	10	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1

Client Sample ID: B-5(0-5)083117
Date Collected: 08/31/17 09:45
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-8
Matrix: Solid
Percent Solids: 86.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Isophorone	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Phenol	<190		190	85	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1
Pyrene	<38		38	7.6	ug/Kg	☼	09/06/17 07:09	09/07/17 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*43*		*25 - 139*	*09/06/17 07:09*	*09/07/17 19:01*	*1*
2-Fluorobiphenyl	*89*		*44 - 121*	*09/06/17 07:09*	*09/07/17 19:01*	*1*
2-Fluorophenol	*102*		*46 - 133*	*09/06/17 07:09*	*09/07/17 19:01*	*1*
Nitrobenzene-d5	*88*		*41 - 120*	*09/06/17 07:09*	*09/07/17 19:01*	*1*
Phenol-d5	*95*		*46 - 125*	*09/06/17 07:09*	*09/07/17 19:01*	*1*
Terphenyl-d14	*90*		*35 - 160*	*09/06/17 07:09*	*09/07/17 19:01*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:32	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:32	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:32	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:32	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:32	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:32	1
Manganese	**0.58**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:32	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:32	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:32	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:32	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:32	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.032**	**J**	0.050	0.010	mg/L		09/05/17 07:32	09/06/17 00:05	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		09/05/17 07:32	09/06/17 00:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/06/17 00:05	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		09/05/17 07:32	09/06/17 00:05	1
Chromium	**0.063**		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:05	1
Cobalt	**0.027**		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:05	1
Copper	**0.093**		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:05	1
Iron	**80**		0.40	0.20	mg/L		09/05/17 07:32	09/06/17 00:05	1
Lead	**0.045**		0.0075	0.0075	mg/L		09/05/17 07:32	09/06/17 00:05	1
Manganese	**0.53**		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:05	1
Nickel	**0.089**		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:05	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/06/17 00:05	1

Client Sample ID: B-5(0-5)083117
Date Collected: 08/31/17 09:45
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-8
Matrix: Solid
Percent Solids: 86.8

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:05	1
Zinc	**0.27**	**J**	0.50	0.020	mg/L		09/05/17 07:32	09/06/17 00:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Arsenic	**12**		0.53	0.18	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Barium	**35**		0.53	0.060	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Beryllium	**0.56**		0.21	0.050	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Cadmium	**0.42**	**B**	0.11	0.019	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Calcium	**100000**	**B**	110	18	mg/Kg	☼	09/01/17 16:31	09/05/17 16:50	10
Chromium	**13**		0.53	0.26	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Cobalt	**14**		0.27	0.069	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Copper	**27**		0.53	0.15	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Iron	**21000**	**B**	11	5.5	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Lead	**17**		0.27	0.12	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Magnesium	**26000**	**B**	5.3	2.6	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Manganese	**380**	**B**	0.53	0.077	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Nickel	**32**	**B**	0.53	0.15	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Potassium	**2100**		27	9.4	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Silver	<0.27		0.27	0.068	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Sodium	**640**	**B**	53	7.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Vanadium	**19**		0.27	0.063	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1
Zinc	**99**	**B**	1.1	0.47	mg/Kg	☼	09/01/17 16:31	09/03/17 00:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:59	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.21**		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**32**	**B**	19	6.4	ug/Kg	☼	09/01/17 15:50	09/05/17 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.45		0.45	0.16	mg/Kg	☼	09/05/17 12:44	09/05/17 16:10	1
pH	**9.4**		0.20	0.20	SU			09/06/17 15:42	1
Chloride	**14**		2.2	1.9	mg/Kg	☼	09/07/17 10:45	09/07/17 15:10	1
Fluoride	**4.0**		2.2	0.73	mg/Kg	☼	09/07/17 10:45	09/07/17 15:10	1
Sulfate	**12**	**B**	2.2	1.0	mg/Kg	☼	09/07/17 10:45	09/07/17 15:10	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-6(0-4)083117
Date Collected: 08/31/17 10:05
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-9
Matrix: Solid
Percent Solids: 91.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<14		14	6.3	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Benzene	<1.4		1.4	0.37	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Bromodichloromethane	<1.4		1.4	0.29	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Bromoform	<1.4		1.4	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Bromomethane	<3.6		3.6	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Carbon disulfide	<3.6		3.6	0.75	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Carbon tetrachloride	<1.4		1.4	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Chlorobenzene	<1.4		1.4	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Chloroethane	<3.6	*	3.6	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Chloroform	<1.4		1.4	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Chloromethane	<3.6		3.6	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
cis-1,2-Dichloroethene	<1.4		1.4	0.40	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
cis-1,3-Dichloropropene	<1.4		1.4	0.43	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Dibromochloromethane	<1.4		1.4	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
1,1-Dichloroethane	<1.4		1.4	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
1,2-Dichloroethane	<3.6		3.6	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
1,1-Dichloroethene	<1.4		1.4	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
1,2-Dichloropropane	<1.4		1.4	0.37	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
1,3-Dichloropropene, Total	<1.4		1.4	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Ethylbenzene	<1.4		1.4	0.69	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
2-Hexanone	<3.6		3.6	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Methylene Chloride	<3.6		3.6	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Methyl Ethyl Ketone	<3.6		3.6	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
methyl isobutyl ketone	<3.6		3.6	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Methyl tert-butyl ether	<1.4		1.4	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Styrene	<1.4		1.4	0.44	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
1,1,2,2-Tetrachloroethane	<1.4		1.4	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Tetrachloroethene	<1.4		1.4	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Toluene	<1.4		1.4	0.36	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
trans-1,2-Dichloroethene	<1.4		1.4	0.64	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
trans-1,3-Dichloropropene	<1.4		1.4	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
1,1,1-Trichloroethane	<1.4		1.4	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
1,1,2-Trichloroethane	<1.4		1.4	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Trichloroethene	<1.4		1.4	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Vinyl chloride	<1.4		1.4	0.64	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1
Xylenes, Total	<2.9		2.9	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*75 - 131*	*08/31/17 15:37*	*09/01/17 18:37*	*1*
Dibromofluoromethane	*99*		*75 - 126*	*08/31/17 15:37*	*09/01/17 18:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*08/31/17 15:37*	*09/01/17 18:37*	*1*
Toluene-d8 (Surr)	*97*		*75 - 124*	*08/31/17 15:37*	*09/01/17 18:37*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1

Client Sample ID: B-6(0-4)083117
Date Collected: 08/31/17 10:05
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-9
Matrix: Solid
Percent Solids: 91.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
2-Methylnaphthalene	<72		72	6.5	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
4,6-Dinitro-2-methylphenol	<720		720	290	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Anthracene	<35		35	5.9	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Benzo[a]anthracene	**13**	**J**	35	4.8	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Benzo[a]pyrene	**22**	**J**	35	6.9	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Benzo[b]fluoranthene	**30**	**J**	35	7.7	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Benzo[g,h,i]perylene	**16**	**J**	35	11	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Carbazole	<180		180	89	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Chrysene	**14**	**J**	35	9.7	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Fluoranthene	**15**	**J**	35	6.6	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Fluorene	<35		35	5.0	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Hexachlorocyclopentadiene	<720		720	200	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1

Client Sample ID: B-6(0-4)083117
Date Collected: 08/31/17 10:05
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-9
Matrix: Solid
Percent Solids: 91.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**14**	**J**	35	9.2	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Isophorone	<180		180	40	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Naphthalene	<35		35	5.5	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
N-Nitrosodi-n-propylamine	<72		72	44	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Phenanthrene	**6.4**	**J**	35	5.0	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Phenol	<180		180	79	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1
Pyrene	**17**	**J**	35	7.1	ug/Kg	☼	09/06/17 07:09	09/07/17 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*44*		*25 - 139*	*09/06/17 07:09*	*09/07/17 20:47*	*1*
2-Fluorobiphenyl	*104*		*44 - 121*	*09/06/17 07:09*	*09/07/17 20:47*	*1*
2-Fluorophenol	*89*		*46 - 133*	*09/06/17 07:09*	*09/07/17 20:47*	*1*
Nitrobenzene-d5	*64*		*41 - 120*	*09/06/17 07:09*	*09/07/17 20:47*	*1*
Phenol-d5	*87*		*46 - 125*	*09/06/17 07:09*	*09/07/17 20:47*	*1*
Terphenyl-d14	*98*		*35 - 160*	*09/06/17 07:09*	*09/07/17 20:47*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:36	1
Barium	**0.24**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:36	1
Cadmium	**0.0033**	**J**	0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:36	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:36	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:36	1
Copper	**0.031**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:36	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:36	1
Manganese	**3.0**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:36	1
Nickel	**0.023**	**J**	0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:36	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:36	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:36	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:36	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/06/17 00:09	1
Barium	<0.50		0.50	0.050	mg/L		09/05/17 07:32	09/06/17 00:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/06/17 00:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/06/17 00:09	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:09	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:09	1
Copper	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:09	1
Iron	**1.9**		0.40	0.20	mg/L		09/05/17 07:32	09/06/17 00:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/06/17 00:09	1
Manganese	**0.014**	**J**	0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:09	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:09	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/06/17 00:09	1

Client Sample ID: B-6(0-4)083117
Date Collected: 08/31/17 10:05
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-9
Matrix: Solid
Percent Solids: 91.3

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:09	1
Zinc	<0.50		0.50	0.020	mg/L		09/05/17 07:32	09/06/17 00:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Arsenic	**11**		0.54	0.19	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Barium	**18**		0.54	0.062	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Beryllium	**0.25**		0.22	0.051	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Cadmium	**0.35**	**B**	0.11	0.020	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Calcium	**160000**	**B**	110	18	mg/Kg	☼	09/01/17 16:31	09/05/17 16:54	10
Chromium	**5.3**		0.54	0.27	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Cobalt	**5.8**		0.27	0.071	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Copper	**19**		0.54	0.15	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Iron	**15000**	**B**	11	5.6	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Lead	**17**		0.27	0.13	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Magnesium	**54000**	**B**	5.4	2.7	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Manganese	**450**	**B**	0.54	0.079	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Nickel	**14**	**B**	0.54	0.16	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Potassium	**930**		27	9.6	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Sodium	**4100**	**B**	54	8.0	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Vanadium	**8.8**		0.27	0.064	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1
Zinc	**70**	**B**	1.1	0.48	mg/Kg	☼	09/01/17 16:31	09/03/17 00:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:00	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**22**	**B**	17	5.7	ug/Kg	☼	09/01/17 15:50	09/05/17 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.52		0.52	0.18	mg/Kg	☼	09/05/17 12:44	09/05/17 16:10	1
pH	**7.9**		0.20	0.20	SU			09/06/17 15:45	1
Chloride	**7000**		400	340	mg/Kg	☼	09/07/17 10:45	09/08/17 03:12	200
Fluoride	<2.0		2.0	0.68	mg/Kg	☼	09/07/17 10:45	09/07/17 15:22	1
Sulfate	**75**	**B**	2.0	0.96	mg/Kg	☼	09/07/17 10:45	09/07/17 15:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-7(0-3)083117
Date Collected: 08/31/17 10:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-10
Matrix: Solid
Percent Solids: 87.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.0	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Bromomethane	<4.0		4.0	1.5	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Carbon disulfide	<4.0		4.0	0.83	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Carbon tetrachloride	<1.6		1.6	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Chlorobenzene	<1.6		1.6	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Chloroethane	<4.0	*	4.0	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Chloroform	<1.6		1.6	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Chloromethane	<4.0		4.0	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
cis-1,3-Dichloropropene	<1.6		1.6	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Dibromochloromethane	<1.6		1.6	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
1,1-Dichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
1,2-Dichloroethane	<4.0		4.0	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
1,1-Dichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
1,2-Dichloropropane	<1.6		1.6	0.41	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
1,3-Dichloropropene, Total	<1.6		1.6	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Ethylbenzene	<1.6		1.6	0.76	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
2-Hexanone	<4.0		4.0	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Methylene Chloride	<4.0		4.0	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Methyl Ethyl Ketone	<4.0		4.0	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
methyl isobutyl ketone	<4.0		4.0	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Methyl tert-butyl ether	<1.6		1.6	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Styrene	<1.6		1.6	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Tetrachloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Toluene	<1.6		1.6	0.40	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
trans-1,2-Dichloroethene	<1.6		1.6	0.71	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
trans-1,3-Dichloropropene	<1.6		1.6	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
1,1,1-Trichloroethane	<1.6		1.6	0.54	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
1,1,2-Trichloroethane	<1.6		1.6	0.69	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Trichloroethene	<1.6		1.6	0.54	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Vinyl chloride	<1.6		1.6	0.71	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1
Xylenes, Total	<3.2		3.2	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*75 - 131*	*08/31/17 15:37*	*09/01/17 19:02*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*08/31/17 15:37*	*09/01/17 19:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*08/31/17 15:37*	*09/01/17 19:02*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*08/31/17 15:37*	*09/01/17 19:02*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
1,3-Dichlorobenzene	<190		190	41	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1

Client Sample ID: B-7(0-3)083117
Date Collected: 08/31/17 10:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-10
Matrix: Solid
Percent Solids: 87.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
2,4-Dichlorophenol	<370		370	87	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
2,6-Dinitrotoluene	<190		190	72	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
2-Methylnaphthalene	<74		74	6.8	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
2-Methylphenol	<190		190	59	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
3 & 4 Methylphenol	<190		190	61	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Acenaphthene	**7.4**	**J**	37	6.6	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Acenaphthylene	**7.1**	**J**	37	4.9	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Anthracene	**14**	**J**	37	6.2	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Benzo[a]anthracene	**32**	**J**	37	5.0	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Benzo[a]pyrene	**27**	**J**	37	7.1	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Benzo[b]fluoranthene	**45**		37	8.0	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Benzo[g,h,i]perylene	**15**	**J**	37	12	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Benzo[k]fluoranthene	**16**	**J**	37	11	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Carbazole	<190		190	92	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Chrysene	**32**	**J**	37	10	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Dibenzofuran	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Fluoranthene	**76**		37	6.8	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Fluorene	**7.0**	**J**	37	5.2	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Hexachloroethane	<190		190	56	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1

Client Sample ID: B-7(0-3)083117
Date Collected: 08/31/17 10:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-10
Matrix: Solid
Percent Solids: 87.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**17**	**J**	37	9.5	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Isophorone	<190		190	41	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
N-Nitrosodiphenylamine	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Phenanthrene	**65**		37	5.1	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Phenol	<190		190	82	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1
Pyrene	**68**		37	7.3	ug/Kg	☼	09/06/17 07:09	09/07/17 21:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*48*		*25 - 139*	*09/06/17 07:09*	*09/07/17 21:14*	*1*
2-Fluorobiphenyl	*89*		*44 - 121*	*09/06/17 07:09*	*09/07/17 21:14*	*1*
2-Fluorophenol	*94*		*46 - 133*	*09/06/17 07:09*	*09/07/17 21:14*	*1*
Nitrobenzene-d5	*84*		*41 - 120*	*09/06/17 07:09*	*09/07/17 21:14*	*1*
Phenol-d5	*94*		*46 - 125*	*09/06/17 07:09*	*09/07/17 21:14*	*1*
Terphenyl-d14	*96*		*35 - 160*	*09/06/17 07:09*	*09/07/17 21:14*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:40	1
Barium	**0.60**		0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:40	1
Cadmium	**0.0026**	**J**	0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:40	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:40	1
Cobalt	**0.026**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:40	1
Copper	**0.020**	**J**	0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:40	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:40	1
Manganese	**9.9**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:40	1
Nickel	**0.033**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:40	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:40	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:40	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:40	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/06/17 00:13	1
Barium	<0.50		0.50	0.050	mg/L		09/05/17 07:32	09/06/17 00:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/06/17 00:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/06/17 00:13	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:13	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:13	1
Copper	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:13	1
Iron	**5.5**		0.40	0.20	mg/L		09/05/17 07:32	09/06/17 00:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/06/17 00:13	1
Manganese	**0.15**		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:13	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:13	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/06/17 00:13	1

Client Sample ID: B-7(0-3)083117
Date Collected: 08/31/17 10:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-10
Matrix: Solid
Percent Solids: 87.8

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:13	1
Zinc	**0.024**	**J**	0.50	0.020	mg/L		09/05/17 07:32	09/06/17 00:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Arsenic	**14**		0.55	0.19	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Barium	**44**		0.55	0.063	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Beryllium	**0.49**		0.22	0.052	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Cadmium	**0.35**	**B**	0.11	0.020	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Calcium	**73000**	**B**	110	19	mg/Kg	☼	09/01/17 16:31	09/05/17 16:58	10
Chromium	**12**		0.55	0.27	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Cobalt	**11**		0.28	0.073	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Copper	**30**		0.55	0.16	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Iron	**23000**	**B**	11	5.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Lead	**30**		0.28	0.13	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Magnesium	**24000**	**B**	5.5	2.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Manganese	**510**	**B**	0.55	0.080	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Nickel	**28**	**B**	0.55	0.16	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Potassium	**1500**		28	9.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Selenium	<0.55		0.55	0.33	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Sodium	**3700**	**B**	55	8.2	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Vanadium	**19**		0.28	0.065	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1
Zinc	**87**	**B**	1.1	0.49	mg/Kg	☼	09/01/17 16:31	09/03/17 00:36	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:02	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**47**	**B**	18	6.1	ug/Kg	☼	09/01/17 15:50	09/05/17 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.52		0.52	0.18	mg/Kg	☼	09/05/17 12:44	09/05/17 16:10	1
pH	**7.5**		0.20	0.20	SU			09/06/17 15:48	1
Chloride	**6400**		450	380	mg/Kg	☼	09/07/17 10:45	09/08/17 03:24	200
Fluoride	**0.99**	**J**	2.2	0.75	mg/Kg	☼	09/07/17 10:45	09/07/17 15:35	1
Sulfate	**39**	**B**	2.2	1.1	mg/Kg	☼	09/07/17 10:45	09/07/17 15:35	1

Client Sample ID: B-8(0-4)083117
Date Collected: 08/31/17 10:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-11
Matrix: Solid
Percent Solids: 87.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Benzene	<1.7		1.7	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Bromoform	<1.7		1.7	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Bromomethane	<4.1		4.1	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Carbon disulfide	<4.1		4.1	0.86	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Chlorobenzene	<1.7		1.7	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Chloroethane	<4.1	*	4.1	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Chloromethane	<4.1		4.1	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
cis-1,2-Dichloroethene	<1.7		1.7	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Dibromochloromethane	<1.7		1.7	0.54	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,3-Dichloropropene, Total	<1.7		1.7	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Ethylbenzene	<1.7		1.7	0.79	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Tetrachloroethene	<1.7		1.7	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
trans-1,3-Dichloropropene	<1.7		1.7	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
1,1,2-Trichloroethane	<1.7		1.7	0.71	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Vinyl chloride	<1.7		1.7	0.73	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*75 - 131*	*08/31/17 15:37*	*09/01/17 19:28*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*08/31/17 15:37*	*09/01/17 19:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*08/31/17 15:37*	*09/01/17 19:28*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*08/31/17 15:37*	*09/01/17 19:28*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1

Client Sample ID: B-8(0-4)083117
Date Collected: 08/31/17 10:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-11
Matrix: Solid
Percent Solids: 87.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2-Methylnaphthalene	<76		76	6.9	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Anthracene	<37		37	6.3	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Benzo[a]anthracene	**12**	**J**	37	5.0	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Benzo[a]pyrene	**15**	**J**	37	7.3	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Benzo[b]fluoranthene	**17**	**J**	37	8.1	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Carbazole	<190		190	94	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Chrysene	**12**	**J**	37	10	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Fluoranthene	**19**	**J**	37	7.0	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Fluorene	<37		37	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1

Client Sample ID: B-8(0-4)083117
Date Collected: 08/31/17 10:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-11
Matrix: Solid
Percent Solids: 87.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**10**	**J**	37	9.7	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Isophorone	<190		190	42	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Naphthalene	<37		37	5.8	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Phenanthrene	**13**	**J**	37	5.2	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Phenol	<190		190	83	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1
Pyrene	**21**	**J**	37	7.5	ug/Kg	☼	09/06/17 07:09	09/07/17 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*35*		*25 - 139*	*09/06/17 07:09*	*09/07/17 16:47*	*1*
2-Fluorobiphenyl	*83*		*44 - 121*	*09/06/17 07:09*	*09/07/17 16:47*	*1*
2-Fluorophenol	*88*		*46 - 133*	*09/06/17 07:09*	*09/07/17 16:47*	*1*
Nitrobenzene-d5	*87*		*41 - 120*	*09/06/17 07:09*	*09/07/17 16:47*	*1*
Phenol-d5	*86*		*46 - 125*	*09/06/17 07:09*	*09/07/17 16:47*	*1*
Terphenyl-d14	*93*		*35 - 160*	*09/06/17 07:09*	*09/07/17 16:47*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:44	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:44	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Copper	**0.029**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:44	1
Manganese	**1.4**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:44	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:44	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:44	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Barium	<0.50		0.50	0.050	mg/L		09/05/17 07:32	09/06/17 00:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/06/17 00:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/06/17 00:17	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Copper	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Iron	**0.56**		0.40	0.20	mg/L		09/05/17 07:32	09/06/17 00:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/06/17 00:17	1
Manganese	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/06/17 00:17	1

Client Sample ID: B-8(0-4)083117
Date Collected: 08/31/17 10:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-11
Matrix: Solid
Percent Solids: 87.4

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:17	1
Zinc	**0.050**	**J**	0.50	0.020	mg/L		09/05/17 07:32	09/06/17 00:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.20	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Arsenic	**9.4**		0.53	0.18	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Barium	**33**		0.53	0.060	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Beryllium	**0.41**		0.21	0.049	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Cadmium	**0.33**	**B**	0.11	0.019	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Calcium	**160000**	**B**	110	18	mg/Kg	☼	09/01/17 16:31	09/05/17 17:02	10
Chromium	**9.6**		0.53	0.26	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Cobalt	**8.5**		0.26	0.069	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Copper	**18**		0.53	0.15	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Iron	**15000**	**B**	11	5.5	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Lead	**12**		0.26	0.12	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Magnesium	**45000**	**B**	5.3	2.6	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Manganese	**400**	**B**	0.53	0.076	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Nickel	**20**	**B**	0.53	0.15	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Potassium	**1600**		26	9.3	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Silver	<0.26		0.26	0.068	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Sodium	**1300**	**B**	53	7.8	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Vanadium	**14**		0.26	0.062	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1
Zinc	**57**	**B**	1.1	0.46	mg/Kg	☼	09/01/17 16:31	09/03/17 00:40	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:03	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**	**B**	18	5.9	ug/Kg	☼	09/01/17 15:50	09/05/17 11:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.54		0.54	0.19	mg/Kg	☼	09/08/17 11:40	09/09/17 15:06	1
pH	**7.7**		0.20	0.20	SU			09/06/17 15:51	1
Chloride	**2200**		220	190	mg/Kg	☼	09/07/17 10:45	09/08/17 04:02	100
Fluoride	**1.1**	**J**	2.2	0.74	mg/Kg	☼	09/07/17 10:45	09/07/17 15:48	1
Sulfate	**87**	**B**	2.2	1.0	mg/Kg	☼	09/07/17 10:45	09/07/17 15:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-8(4-7)083117
Date Collected: 08/31/17 11:00
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-12
Matrix: Solid
Percent Solids: 92.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<15		15	6.5	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Benzene	<1.5		1.5	0.38	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Bromodichloromethane	<1.5		1.5	0.30	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Bromoform	<1.5		1.5	0.43	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Bromomethane	<3.7		3.7	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Carbon disulfide	<3.7		3.7	0.77	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Carbon tetrachloride	<1.5		1.5	0.43	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Chlorobenzene	<1.5		1.5	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Chloroethane	<3.7	*	3.7	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Chloroform	<1.5		1.5	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Chloromethane	<3.7		3.7	1.5	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
cis-1,2-Dichloroethene	<1.5		1.5	0.41	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
cis-1,3-Dichloropropene	<1.5		1.5	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Dibromochloromethane	<1.5		1.5	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,1-Dichloroethane	<1.5		1.5	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,2-Dichloroethane	<3.7		3.7	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,1-Dichloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,2-Dichloropropane	<1.5		1.5	0.38	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,3-Dichloropropene, Total	<1.5		1.5	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Ethylbenzene	<1.5		1.5	0.71	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
2-Hexanone	<3.7		3.7	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Methylene Chloride	<3.7		3.7	1.5	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Methyl Ethyl Ketone	<3.7		3.7	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
methyl isobutyl ketone	<3.7		3.7	1.1	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Methyl tert-butyl ether	<1.5		1.5	0.44	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Styrene	<1.5		1.5	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,1,2,2-Tetrachloroethane	<1.5		1.5	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Tetrachloroethene	<1.5		1.5	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Toluene	<1.5		1.5	0.37	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
trans-1,2-Dichloroethene	<1.5		1.5	0.66	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
trans-1,3-Dichloropropene	<1.5		1.5	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,1,1-Trichloroethane	<1.5		1.5	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
1,1,2-Trichloroethane	<1.5		1.5	0.64	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Trichloroethene	<1.5		1.5	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Vinyl chloride	<1.5		1.5	0.66	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1
Xylenes, Total	<3.0		3.0	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*75 - 131*	*08/31/17 15:37*	*09/01/17 19:52*	*1*
Dibromofluoromethane	*97*		*75 - 126*	*08/31/17 15:37*	*09/01/17 19:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*08/31/17 15:37*	*09/01/17 19:52*	*1*
Toluene-d8 (Surr)	*96*		*75 - 124*	*08/31/17 15:37*	*09/01/17 19:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	37	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1

Client Sample ID: B-8(4-7)083117
Date Collected: 08/31/17 11:00
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-12
Matrix: Solid
Percent Solids: 92.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	79	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,4-Dinitrophenol	<690		690	610	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2-Methylnaphthalene	<69		69	6.3	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2-Methylphenol	<170		170	55	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
2-Nitrophenol	<340		340	81	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4,6-Dinitro-2-methylphenol	<690		690	280	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
4-Nitrophenol	<690		690	330	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Anthracene	<34		34	5.8	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Benzo[a]anthracene	**10**	**J**	34	4.6	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Benzo[a]pyrene	**11**	**J**	34	6.7	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Benzo[b]fluoranthene	**12**	**J**	34	7.4	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Benzo[g,h,i]perylene	<34		34	11	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Benzo[k]fluoranthene	<34		34	10	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Butyl benzyl phthalate	<170		170	65	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Carbazole	<170		170	86	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Chrysene	**9.4**	**J**	34	9.4	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Dibenz(a,h)anthracene	<34		34	6.7	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Dibenzofuran	<170		170	40	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Fluoranthene	**15**	**J**	34	6.4	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Fluorene	<34		34	4.8	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Hexachlorobenzene	<69		69	8.0	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Hexachlorocyclopentadiene	<690		690	200	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Hexachloroethane	<170		170	52	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1

Client Sample ID: B-8(4-7)083117
Date Collected: 08/31/17 11:00
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-12
Matrix: Solid
Percent Solids: 92.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<34		34	8.9	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Isophorone	<170		170	39	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Naphthalene	<34		34	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
N-Nitrosodi-n-propylamine	<69		69	42	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Phenanthrene	**11**	**J**	34	4.8	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Phenol	<170		170	76	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1
Pyrene	**18**	**J**	34	6.8	ug/Kg	☼	09/06/17 07:09	09/07/17 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*36*		*25 - 139*	*09/06/17 07:09*	*09/07/17 17:14*	*1*
2-Fluorobiphenyl	*84*		*44 - 121*	*09/06/17 07:09*	*09/07/17 17:14*	*1*
2-Fluorophenol	*89*		*46 - 133*	*09/06/17 07:09*	*09/07/17 17:14*	*1*
Nitrobenzene-d5	*85*		*41 - 120*	*09/06/17 07:09*	*09/07/17 17:14*	*1*
Phenol-d5	*89*		*46 - 125*	*09/06/17 07:09*	*09/07/17 17:14*	*1*
Terphenyl-d14	*95*		*35 - 160*	*09/06/17 07:09*	*09/07/17 17:14*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 00:48	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:48	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Copper	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 00:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 00:48	1
Manganese	**3.7**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:48	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:48	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 00:48	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Barium	<0.50		0.50	0.050	mg/L		09/05/17 07:32	09/06/17 00:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/06/17 00:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/06/17 00:21	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Copper	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Iron	<0.40		0.40	0.20	mg/L		09/05/17 07:32	09/06/17 00:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/06/17 00:21	1
Manganese	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/06/17 00:21	1

Client Sample ID: B-8(4-7)083117
Date Collected: 08/31/17 11:00
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-12
Matrix: Solid
Percent Solids: 92.7

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:21	1
Zinc	<0.50		0.50	0.020	mg/L		09/05/17 07:32	09/06/17 00:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.20	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Arsenic	**3.5**		0.51	0.17	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Barium	**15**		0.51	0.058	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Beryllium	**0.15**	**J**	0.20	0.048	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Cadmium	**0.18**	**B**	0.10	0.018	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Calcium	**270000**	**B**	100	17	mg/Kg	☼	09/01/17 16:31	09/05/17 17:06	10
Chromium	**3.4**		0.51	0.25	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Cobalt	**2.8**		0.26	0.067	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Copper	**7.1**		0.51	0.14	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Iron	**7900**	**B**	10	5.3	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Lead	**3.4**		0.26	0.12	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Magnesium	**170000**	**B**	51	25	mg/Kg	☼	09/01/17 16:31	09/05/17 17:06	10
Manganese	**280**	**B**	0.51	0.074	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Nickel	**7.3**	**B**	0.51	0.15	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Potassium	**650**		26	9.1	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Selenium	<0.51		0.51	0.30	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Silver	<0.26		0.26	0.066	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Sodium	**650**	**B**	51	7.6	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Thallium	<0.51		0.51	0.26	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Vanadium	**5.3**		0.26	0.060	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1
Zinc	**18**	**B**	1.0	0.45	mg/Kg	☼	09/01/17 16:31	09/03/17 00:44	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:04	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**9.8**	**J B**	18	5.9	ug/Kg	☼	09/01/17 15:50	09/05/17 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.53		0.53	0.18	mg/Kg	☼	09/08/17 11:40	09/09/17 15:07	1
pH	**7.9**		0.20	0.20	SU			09/06/17 15:54	1
Chloride	**1400**		110	90	mg/Kg	☼	09/07/17 10:45	09/08/17 04:15	50
Fluoride	<2.1		2.1	0.71	mg/Kg	☼	09/07/17 10:45	09/07/17 16:00	1
Sulfate	**64**	**B**	2.1	1.0	mg/Kg	☼	09/07/17 10:45	09/07/17 16:00	1

Client Sample ID: B-1(0-4)083117
Date Collected: 08/31/17 11:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-14
Matrix: Solid
Percent Solids: 80.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<18		18	7.9	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Benzene	<1.8		1.8	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Bromoform	<1.8		1.8	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Bromomethane	<4.6		4.6	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Carbon disulfide	<4.6		4.6	0.95	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Carbon tetrachloride	<1.8		1.8	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Chlorobenzene	<1.8		1.8	0.67	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Chloroethane	<4.6	*	4.6	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Chloroform	<1.8		1.8	0.63	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Chloromethane	<4.6		4.6	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
cis-1,2-Dichloroethene	<1.8		1.8	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
cis-1,3-Dichloropropene	<1.8		1.8	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Dibromochloromethane	<1.8		1.8	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
1,1-Dichloroethane	<1.8		1.8	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
1,2-Dichloroethane	<4.6		4.6	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
1,1-Dichloroethene	<1.8		1.8	0.63	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
1,3-Dichloropropene, Total	<1.8		1.8	0.64	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Ethylbenzene	<1.8		1.8	0.87	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
2-Hexanone	<4.6		4.6	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Methylene Chloride	<4.6		4.6	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Methyl Ethyl Ketone	<4.6		4.6	2.0	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
methyl isobutyl ketone	<4.6		4.6	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Methyl tert-butyl ether	<1.8		1.8	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Styrene	<1.8		1.8	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Tetrachloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
trans-1,2-Dichloroethene	<1.8		1.8	0.81	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
trans-1,3-Dichloropropene	<1.8		1.8	0.64	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
1,1,1-Trichloroethane	<1.8		1.8	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
1,1,2-Trichloroethane	<1.8		1.8	0.78	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Trichloroethene	<1.8		1.8	0.62	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Vinyl chloride	<1.8		1.8	0.81	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1
Xylenes, Total	<3.6		3.6	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*75 - 131*	*08/31/17 15:37*	*09/01/17 20:18*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*08/31/17 15:37*	*09/01/17 20:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*	*08/31/17 15:37*	*09/01/17 20:18*	*1*
Toluene-d8 (Surr)	*93*		*75 - 124*	*08/31/17 15:37*	*09/01/17 20:18*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1

Client Sample ID: B-1(0-4)083117
Date Collected: 08/31/17 11:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-14
Matrix: Solid
Percent Solids: 80.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
2-Methylphenol	<200		200	65	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Anthracene	<40		40	6.7	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Benzo[a]anthracene	**8.5**	**J**	40	5.4	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Benzo[a]pyrene	**16**	**J**	40	7.8	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Benzo[b]fluoranthene	**15**	**J**	40	8.7	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Carbazole	<200		200	100	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Chrysene	<40		40	11	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Fluorene	<40		40	5.7	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Hexachloroethane	<200		200	61	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1

Client Sample ID: B-1(0-4)083117
Date Collected: 08/31/17 11:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-14
Matrix: Solid
Percent Solids: 80.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**12**	**J**	40	10	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Isophorone	<200		200	45	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Naphthalene	<40		40	6.2	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Phenol	<200		200	89	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1
Pyrene	**9.3**	**J**	40	8.0	ug/Kg	☼	09/06/17 07:09	09/07/17 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*52*		*25 - 139*	*09/06/17 07:09*	*09/07/17 18:07*	*1*
2-Fluorobiphenyl	*91*		*44 - 121*	*09/06/17 07:09*	*09/07/17 18:07*	*1*
2-Fluorophenol	*99*		*46 - 133*	*09/06/17 07:09*	*09/07/17 18:07*	*1*
Nitrobenzene-d5	*93*		*41 - 120*	*09/06/17 07:09*	*09/07/17 18:07*	*1*
Phenol-d5	*98*		*46 - 125*	*09/06/17 07:09*	*09/07/17 18:07*	*1*
Terphenyl-d14	*104*		*35 - 160*	*09/06/17 07:09*	*09/07/17 18:07*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 01:04	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 01:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 01:04	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 01:04	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:04	1
Cobalt	**0.024**	**J**	0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:04	1
Copper	**0.024**	**J**	0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:04	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 01:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 01:04	1
Manganese	**5.6**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:04	1
Nickel	**0.032**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:04	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 01:04	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:04	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 01:04	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/06/17 00:37	1
Barium	<0.50		0.50	0.050	mg/L		09/05/17 07:32	09/06/17 00:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/06/17 00:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/06/17 00:37	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:37	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:37	1
Copper	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:37	1
Iron	**2.0**		0.40	0.20	mg/L		09/05/17 07:32	09/06/17 00:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/06/17 00:37	1
Manganese	**0.023**	**J**	0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:37	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:37	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/06/17 00:37	1

Client Sample ID: B-1(0-4)083117
Date Collected: 08/31/17 11:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-14
Matrix: Solid
Percent Solids: 80.6

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:37	1
Zinc	<0.50		0.50	0.020	mg/L		09/05/17 07:32	09/06/17 00:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Arsenic	**9.6**		0.62	0.21	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Barium	**110**		0.62	0.071	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Beryllium	**0.93**		0.25	0.058	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Cadmium	**0.20**	**B**	0.12	0.022	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Calcium	**2800**	**B**	12	2.1	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Chromium	**23**		0.62	0.31	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Cobalt	**18**		0.31	0.081	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Copper	**27**		0.62	0.17	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Iron	**27000**	**B**	12	6.5	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Lead	**21**		0.31	0.14	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Magnesium	**5600**	**B**	6.2	3.1	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Manganese	**470**	**B**	0.62	0.090	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Nickel	**45**	**B**	0.62	0.18	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Potassium	**2900**		31	11	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Selenium	<0.62		0.62	0.36	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Silver	<0.31		0.31	0.080	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Sodium	**11000**	**B**	62	9.2	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Vanadium	**33**		0.31	0.073	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1
Zinc	**95**	**B**	1.2	0.54	mg/Kg	☼	09/01/17 16:31	09/03/17 00:48	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:07	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23**	**B**	18	5.9	ug/Kg	☼	09/01/17 15:50	09/05/17 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.49		0.49	0.17	mg/Kg	☼	09/08/17 11:40	09/09/17 15:09	1
pH	**7.3**		0.20	0.20	SU			09/06/17 16:00	1
Chloride	**16000**		1200	1000	mg/Kg	☼	09/07/17 10:45	09/08/17 04:28	500
Fluoride	<2.4		2.4	0.81	mg/Kg	☼	09/07/17 10:45	09/07/17 16:13	1
Sulfate	**220**		4.9	2.3	mg/Kg	☼	09/07/17 10:45	09/09/17 04:27	2

Client Sample ID: B-1(4-7)083117
Date Collected: 08/31/17 11:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-15
Matrix: Solid
Percent Solids: 86.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		17	7.5	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Benzene	<1.7		1.7	0.44	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Bromodichloromethane	<1.7		1.7	0.35	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Bromoform	<1.7		1.7	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Bromomethane	<4.3		4.3	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Carbon disulfide	<4.3		4.3	0.90	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Carbon tetrachloride	<1.7		1.7	0.50	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Chlorobenzene	<1.7		1.7	0.64	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Chloroethane	<4.3	*	4.3	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Chloroform	<1.7		1.7	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Chloromethane	<4.3		4.3	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
cis-1,2-Dichloroethene	<1.7		1.7	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
cis-1,3-Dichloropropene	<1.7		1.7	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Dibromochloromethane	<1.7		1.7	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
1,1-Dichloroethane	<1.7		1.7	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
1,2-Dichloroethane	<4.3		4.3	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
1,1-Dichloroethene	<1.7		1.7	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
1,2-Dichloropropane	<1.7		1.7	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
1,3-Dichloropropene, Total	<1.7		1.7	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Ethylbenzene	<1.7		1.7	0.83	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
2-Hexanone	<4.3		4.3	1.4	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Methylene Chloride	<4.3		4.3	1.7	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Methyl Ethyl Ketone	<4.3		4.3	1.9	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
methyl isobutyl ketone	<4.3		4.3	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Methyl tert-butyl ether	<1.7		1.7	0.51	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Styrene	<1.7		1.7	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Tetrachloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Toluene	<1.7		1.7	0.44	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
trans-1,2-Dichloroethene	<1.7		1.7	0.77	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
trans-1,3-Dichloropropene	<1.7		1.7	0.61	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
1,1,1-Trichloroethane	<1.7		1.7	0.58	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
1,1,2-Trichloroethane	<1.7		1.7	0.74	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Trichloroethene	<1.7		1.7	0.59	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Vinyl chloride	<1.7		1.7	0.77	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1
Xylenes, Total	<3.5		3.5	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*75 - 131*	*08/31/17 15:37*	*09/01/17 20:42*	*1*
Dibromofluoromethane	*100*		*75 - 126*	*08/31/17 15:37*	*09/01/17 20:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*08/31/17 15:37*	*09/01/17 20:42*	*1*
Toluene-d8 (Surr)	*99*		*75 - 124*	*08/31/17 15:37*	*09/01/17 20:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1

Client Sample ID: B-1(4-7)083117
Date Collected: 08/31/17 11:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-15
Matrix: Solid
Percent Solids: 86.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
2-Methylnaphthalene	<76		76	7.0	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Anthracene	<38		38	6.3	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Benzo[a]pyrene	**11**	**J**	38	7.3	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Benzo[b]fluoranthene	**12**	**J**	38	8.2	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Carbazole	<190		190	95	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Chrysene	<38		38	10	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Fluoranthene	**12**	**J**	38	7.0	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Fluorene	<38		38	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1

Client Sample ID: B-1(4-7)083117
Date Collected: 08/31/17 11:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-15
Matrix: Solid
Percent Solids: 86.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.8	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Isophorone	<190		190	43	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Naphthalene	<38		38	5.8	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Phenanthrene	**8.4**	**J**	38	5.3	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Phenol	<190		190	84	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1
Pyrene	**15**	**J**	38	7.5	ug/Kg	☼	09/06/17 07:09	09/07/17 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*40*		*25 - 139*	*09/06/17 07:09*	*09/07/17 19:27*	*1*
2-Fluorobiphenyl	*82*		*44 - 121*	*09/06/17 07:09*	*09/07/17 19:27*	*1*
2-Fluorophenol	*89*		*46 - 133*	*09/06/17 07:09*	*09/07/17 19:27*	*1*
Nitrobenzene-d5	*82*		*41 - 120*	*09/06/17 07:09*	*09/07/17 19:27*	*1*
Phenol-d5	*88*		*46 - 125*	*09/06/17 07:09*	*09/07/17 19:27*	*1*
Terphenyl-d14	*91*		*35 - 160*	*09/06/17 07:09*	*09/07/17 19:27*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 01:09	1
Barium	**0.31**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 01:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 01:09	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 01:09	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:09	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:09	1
Copper	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:09	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 01:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 01:09	1
Manganese	**3.1**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:09	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:09	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 01:09	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:09	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 01:09	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/06/17 00:41	1
Barium	<0.50		0.50	0.050	mg/L		09/05/17 07:32	09/06/17 00:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/06/17 00:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/06/17 00:41	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:41	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:41	1
Copper	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:41	1
Iron	**3.8**		0.40	0.20	mg/L		09/05/17 07:32	09/06/17 00:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/06/17 00:41	1
Manganese	**0.031**		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:41	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:41	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/06/17 00:41	1

Client Sample ID: B-1(4-7)083117
Date Collected: 08/31/17 11:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-15
Matrix: Solid
Percent Solids: 86.7

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:41	1
Zinc	<0.50		0.50	0.020	mg/L		09/05/17 07:32	09/06/17 00:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Arsenic	**17**		0.55	0.19	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Barium	**17**		0.55	0.062	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Beryllium	**0.34**		0.22	0.051	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Cadmium	**0.31**	**B**	0.11	0.020	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Calcium	**170000**	**B**	110	19	mg/Kg	☼	09/01/17 16:31	09/05/17 17:10	10
Chromium	**6.1**		0.55	0.27	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Cobalt	**5.7**		0.27	0.072	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Copper	**22**		0.55	0.15	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Iron	**28000**	**B**	11	5.7	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Lead	**20**		0.27	0.13	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Magnesium	**100000**	**B**	55	27	mg/Kg	☼	09/01/17 16:31	09/05/17 17:10	10
Manganese	**370**	**B**	0.55	0.079	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Nickel	**16**	**B**	0.55	0.16	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Potassium	**1200**		27	9.7	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Sodium	**6200**	**B**	55	8.1	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Thallium	**0.27**	**J**	0.55	0.27	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Vanadium	**10**		0.27	0.064	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1
Zinc	**100**	**B**	1.1	0.48	mg/Kg	☼	09/01/17 16:31	09/03/17 00:52	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:09	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**	**B**	17	5.5	ug/Kg	☼	09/01/17 15:50	09/05/17 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**1.7**		0.58	0.20	mg/Kg	☼	09/08/17 11:40	09/09/17 15:09	1
pH	**8.0**		0.20	0.20	SU			09/06/17 16:03	1
Chloride	**3400**		220	190	mg/Kg	☼	09/07/17 10:45	09/08/17 04:41	100
Fluoride	<2.2		2.2	0.75	mg/Kg	☼	09/07/17 10:45	09/07/17 16:26	1
Sulfate	**51**	**B**	2.2	1.1	mg/Kg	☼	09/07/17 10:45	09/07/17 16:26	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-1(4-7)083117D
Date Collected: 08/31/17 11:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-16
Matrix: Solid
Percent Solids: 87.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<16		16	7.1	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Benzene	<1.6		1.6	0.41	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Bromodichloromethane	<1.6		1.6	0.33	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Bromoform	<1.6		1.6	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Bromomethane	<4.1		4.1	1.5	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Carbon disulfide	<4.1		4.1	0.85	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Carbon tetrachloride	<1.6		1.6	0.47	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Chlorobenzene	<1.6		1.6	0.60	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Chloroethane	<4.1	*	4.1	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Chloroform	<1.6		1.6	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Chloromethane	<4.1		4.1	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
cis-1,2-Dichloroethene	<1.6		1.6	0.45	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
cis-1,3-Dichloropropene	<1.6		1.6	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Dibromochloromethane	<1.6		1.6	0.53	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
1,1-Dichloroethane	<1.6		1.6	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
1,2-Dichloroethane	<4.1		4.1	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
1,1-Dichloroethene	<1.6		1.6	0.56	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
1,2-Dichloropropane	<1.6		1.6	0.42	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
1,3-Dichloropropene, Total	<1.6		1.6	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Ethylbenzene	<1.6		1.6	0.78	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
2-Hexanone	<4.1		4.1	1.3	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Methylene Chloride	<4.1		4.1	1.6	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Methyl Ethyl Ketone	<4.1		4.1	1.8	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
methyl isobutyl ketone	<4.1		4.1	1.2	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Methyl tert-butyl ether	<1.6		1.6	0.48	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Styrene	<1.6		1.6	0.49	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
1,1,2,2-Tetrachloroethane	<1.6		1.6	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Tetrachloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Toluene	<1.6		1.6	0.41	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
trans-1,2-Dichloroethene	<1.6		1.6	0.72	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
trans-1,3-Dichloropropene	<1.6		1.6	0.57	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
1,1,1-Trichloroethane	<1.6		1.6	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
1,1,2-Trichloroethane	<1.6		1.6	0.70	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Trichloroethene	<1.6		1.6	0.55	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Vinyl chloride	<1.6		1.6	0.72	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1
Xylenes, Total	<3.3		3.3	0.52	ug/Kg	☼	08/31/17 15:37	09/01/17 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*75 - 131*	*08/31/17 15:37*	*09/01/17 21:08*	*1*
Dibromofluoromethane	*101*		*75 - 126*	*08/31/17 15:37*	*09/01/17 21:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*	*08/31/17 15:37*	*09/01/17 21:08*	*1*
Toluene-d8 (Surr)	*100*		*75 - 124*	*08/31/17 15:37*	*09/01/17 21:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1

Client Sample ID: B-1(4-7)083117D
Date Collected: 08/31/17 11:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-16
Matrix: Solid
Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
2,4-Dinitrophenol	<730		730	630	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
2-Methylnaphthalene	<73		73	6.6	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
2-Methylphenol	<180		180	58	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
4,6-Dinitro-2-methylphenol	<730		730	290	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Acenaphthylene	<36		36	4.7	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Anthracene	<36		36	6.0	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Benzo[a]anthracene	**9.7**	**J**	36	4.8	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Benzo[a]pyrene	**13**	**J**	36	7.0	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Benzo[b]fluoranthene	**17**	**J**	36	7.8	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Benzo[k]fluoranthene	<36		36	11	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Carbazole	<180		180	90	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Chrysene	**15**	**J**	36	9.8	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Fluoranthene	**19**	**J**	36	6.7	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Fluorene	<36		36	5.1	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Hexachlorobenzene	<73		73	8.3	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Hexachloroethane	<180		180	55	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1

Client Sample ID: B-1(4-7)083117D
Date Collected: 08/31/17 11:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-16
Matrix: Solid
Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.3	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Isophorone	<180		180	40	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Naphthalene	<36		36	5.5	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
N-Nitrosodi-n-propylamine	<73		73	44	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Phenanthrene	**11**	**J**	36	5.0	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Phenol	<180		180	80	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1
Pyrene	**21**	**J**	36	7.1	ug/Kg	☼	09/06/17 07:09	09/07/17 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*50*		*25 - 139*	*09/06/17 07:09*	*09/07/17 21:40*	*1*
2-Fluorobiphenyl	*91*		*44 - 121*	*09/06/17 07:09*	*09/07/17 21:40*	*1*
2-Fluorophenol	*89*		*46 - 133*	*09/06/17 07:09*	*09/07/17 21:40*	*1*
Nitrobenzene-d5	*81*		*41 - 120*	*09/06/17 07:09*	*09/07/17 21:40*	*1*
Phenol-d5	*86*		*46 - 125*	*09/06/17 07:09*	*09/07/17 21:40*	*1*
Terphenyl-d14	*98*		*35 - 160*	*09/06/17 07:09*	*09/07/17 21:40*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 01:13	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 01:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/06/17 01:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 01:13	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:13	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:13	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:13	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/06/17 01:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/06/17 01:13	1
Manganese	**1.7**		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:13	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:13	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 01:13	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 01:13	1
Zinc	<0.50		0.50	0.020	mg/L		09/02/17 10:36	09/06/17 01:13	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/06/17 00:45	1
Barium	<0.50		0.50	0.050	mg/L		09/05/17 07:32	09/06/17 00:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/06/17 00:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/06/17 00:45	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:45	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:45	1
Copper	**0.016**	**J**	0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:45	1
Iron	**2.1**	**F1**	0.40	0.20	mg/L		09/05/17 07:32	09/06/17 00:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/06/17 00:45	1
Manganese	**0.017**	**J**	0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:45	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:45	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/06/17 00:45	1

Client Sample ID: B-1(4-7)083117D
Date Collected: 08/31/17 11:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-16
Matrix: Solid
Percent Solids: 87.2

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/06/17 00:45	1
Zinc	<0.50		0.50	0.020	mg/L		09/05/17 07:32	09/06/17 00:45	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.38**	**J B**	1.1	0.20	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Arsenic	**14**		0.53	0.18	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Barium	**13**		0.53	0.060	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Beryllium	**0.28**		0.21	0.049	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Cadmium	**0.29**	**B**	0.11	0.019	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Calcium	**240000**	**B**	110	18	mg/Kg	☼	09/01/17 16:31	09/05/17 17:22	10
Chromium	**5.4**		0.53	0.26	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Cobalt	**4.5**		0.26	0.069	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Copper	**17**		0.53	0.15	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Iron	**23000**	**B**	11	5.5	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Lead	**17**		0.26	0.12	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Magnesium	**150000**	**B**	53	26	mg/Kg	☼	09/01/17 16:31	09/05/17 17:22	10
Manganese	**460**	**B**	0.53	0.076	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Nickel	**12**	**B**	0.53	0.15	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Potassium	**1000**		26	9.3	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Selenium	<0.53		0.53	0.31	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Silver	<0.26		0.26	0.068	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Sodium	**5300**	**B**	53	7.8	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Vanadium	**8.6**		0.26	0.062	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1
Zinc	**82**	**B**	1.1	0.46	mg/Kg	☼	09/01/17 16:31	09/03/17 01:04	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:13	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**	**B**	16	5.5	ug/Kg	☼	09/01/17 15:50	09/05/17 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**1.8**		0.51	0.18	mg/Kg	☼	09/08/17 11:40	09/09/17 15:10	1
pH	**8.1**		0.20	0.20	SU			09/06/17 16:06	1
Chloride	**8800**		440	380	mg/Kg	☼	09/07/17 10:45	09/08/17 04:53	200
Fluoride	<2.2		2.2	0.74	mg/Kg	☼	09/07/17 10:45	09/07/17 17:04	1
Sulfate	**170**		4.4	2.1	mg/Kg	☼	09/07/17 10:45	09/09/17 04:39	2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC/MS VOA

Analysis Batch: 399948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	8260B	400102
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	8260B	400102
500-133400-3	B-2(4-8)083117	Total/NA	Solid	8260B	400102
500-133400-4	B-3(0-4)083117	Total/NA	Solid	8260B	400102
500-133400-5	B-3(4-6)083117	Total/NA	Solid	8260B	400102
500-133400-6	B-4(0-4)083117	Total/NA	Solid	8260B	400102
500-133400-7	B-4(4-6)083117	Total/NA	Solid	8260B	400102
500-133400-8	B-5(0-5)083117	Total/NA	Solid	8260B	400102
500-133400-9	B-6(0-4)083117	Total/NA	Solid	8260B	400102
500-133400-10	B-7(0-3)083117	Total/NA	Solid	8260B	400102
500-133400-11	B-8(0-4)083117	Total/NA	Solid	8260B	400102
500-133400-12	B-8(4-7)083117	Total/NA	Solid	8260B	400102
500-133400-14	B-1(0-4)083117	Total/NA	Solid	8260B	400102
500-133400-15	B-1(4-7)083117	Total/NA	Solid	8260B	400102
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	8260B	400102
MB 500-399948/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-399948/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 500-399948/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Prep Batch: 400102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	5035	
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	5035	
500-133400-3	B-2(4-8)083117	Total/NA	Solid	5035	
500-133400-4	B-3(0-4)083117	Total/NA	Solid	5035	
500-133400-5	B-3(4-6)083117	Total/NA	Solid	5035	
500-133400-6	B-4(0-4)083117	Total/NA	Solid	5035	
500-133400-7	B-4(4-6)083117	Total/NA	Solid	5035	
500-133400-8	B-5(0-5)083117	Total/NA	Solid	5035	
500-133400-9	B-6(0-4)083117	Total/NA	Solid	5035	
500-133400-10	B-7(0-3)083117	Total/NA	Solid	5035	
500-133400-11	B-8(0-4)083117	Total/NA	Solid	5035	
500-133400-12	B-8(4-7)083117	Total/NA	Solid	5035	
500-133400-14	B-1(0-4)083117	Total/NA	Solid	5035	
500-133400-15	B-1(4-7)083117	Total/NA	Solid	5035	
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 400306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	3541	
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	3541	
500-133400-3	B-2(4-8)083117	Total/NA	Solid	3541	
500-133400-4	B-3(0-4)083117	Total/NA	Solid	3541	
500-133400-5	B-3(4-6)083117	Total/NA	Solid	3541	
500-133400-6	B-4(0-4)083117	Total/NA	Solid	3541	
500-133400-7	B-4(4-6)083117	Total/NA	Solid	3541	
500-133400-8	B-5(0-5)083117	Total/NA	Solid	3541	
500-133400-9	B-6(0-4)083117	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 400306 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-10	B-7(0-3)083117	Total/NA	Solid	3541	
500-133400-11	B-8(0-4)083117	Total/NA	Solid	3541	
500-133400-12	B-8(4-7)083117	Total/NA	Solid	3541	
500-133400-14	B-1(0-4)083117	Total/NA	Solid	3541	
500-133400-15	B-1(4-7)083117	Total/NA	Solid	3541	
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	3541	
MB 500-400306/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-400306/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-133400-1 MS	B-2(0-4)083117	Total/NA	Solid	3541	
500-133400-1 MSD	B-2(0-4)083117	Total/NA	Solid	3541	

Analysis Batch: 400433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-400306/1-A	Method Blank	Total/NA	Solid	8270D	400306
LCS 500-400306/2-A	Lab Control Sample	Total/NA	Solid	8270D	400306

Analysis Batch: 400538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	8270D	400306
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	8270D	400306
500-133400-3	B-2(4-8)083117	Total/NA	Solid	8270D	400306
500-133400-4	B-3(0-4)083117	Total/NA	Solid	8270D	400306
500-133400-5	B-3(4-6)083117	Total/NA	Solid	8270D	400306
500-133400-6	B-4(0-4)083117	Total/NA	Solid	8270D	400306
500-133400-7	B-4(4-6)083117	Total/NA	Solid	8270D	400306
500-133400-8	B-5(0-5)083117	Total/NA	Solid	8270D	400306
500-133400-9	B-6(0-4)083117	Total/NA	Solid	8270D	400306
500-133400-10	B-7(0-3)083117	Total/NA	Solid	8270D	400306
500-133400-11	B-8(0-4)083117	Total/NA	Solid	8270D	400306
500-133400-12	B-8(4-7)083117	Total/NA	Solid	8270D	400306
500-133400-14	B-1(0-4)083117	Total/NA	Solid	8270D	400306
500-133400-15	B-1(4-7)083117	Total/NA	Solid	8270D	400306
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	8270D	400306
500-133400-1 MS	B-2(0-4)083117	Total/NA	Solid	8270D	400306
500-133400-1 MSD	B-2(0-4)083117	Total/NA	Solid	8270D	400306

Metals

Leach Batch: 400031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	TCLP	Solid	1311	
500-133400-2	B-2(0-4)083117D	TCLP	Solid	1311	
500-133400-3	B-2(4-8)083117	TCLP	Solid	1311	
500-133400-4	B-3(0-4)083117	TCLP	Solid	1311	
500-133400-5	B-3(4-6)083117	TCLP	Solid	1311	
500-133400-6	B-4(0-4)083117	TCLP	Solid	1311	
500-133400-7	B-4(4-6)083117	TCLP	Solid	1311	
500-133400-8	B-5(0-5)083117	TCLP	Solid	1311	
500-133400-9	B-6(0-4)083117	TCLP	Solid	1311	
500-133400-10	B-7(0-3)083117	TCLP	Solid	1311	

Metals (Continued)

Leach Batch: 400031 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-11	B-8(0-4)083117	TCLP	Solid	1311	
500-133400-12	B-8(4-7)083117	TCLP	Solid	1311	
500-133400-14	B-1(0-4)083117	TCLP	Solid	1311	
500-133400-15	B-1(4-7)083117	TCLP	Solid	1311	
500-133400-16	B-1(4-7)083117D	TCLP	Solid	1311	
LB 500-400031/1-B	Method Blank	TCLP	Solid	1311	
LB 500-400031/1-C	Method Blank	TCLP	Solid	1311	
500-133400-16 MS	B-1(4-7)083117D	TCLP	Solid	1311	
500-133400-16 DU	B-1(4-7)083117D	TCLP	Solid	1311	

Leach Batch: 400033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	SPLP East	Solid	1312	
500-133400-2	B-2(0-4)083117D	SPLP East	Solid	1312	
500-133400-3	B-2(4-8)083117	SPLP East	Solid	1312	
500-133400-4	B-3(0-4)083117	SPLP East	Solid	1312	
500-133400-5	B-3(4-6)083117	SPLP East	Solid	1312	
500-133400-6	B-4(0-4)083117	SPLP East	Solid	1312	
500-133400-7	B-4(4-6)083117	SPLP East	Solid	1312	
500-133400-8	B-5(0-5)083117	SPLP East	Solid	1312	
500-133400-9	B-6(0-4)083117	SPLP East	Solid	1312	
500-133400-10	B-7(0-3)083117	SPLP East	Solid	1312	
500-133400-11	B-8(0-4)083117	SPLP East	Solid	1312	
500-133400-12	B-8(4-7)083117	SPLP East	Solid	1312	
500-133400-14	B-1(0-4)083117	SPLP East	Solid	1312	
500-133400-15	B-1(4-7)083117	SPLP East	Solid	1312	
500-133400-16	B-1(4-7)083117D	SPLP East	Solid	1312	
LB 500-400033/1-B	Method Blank	SPLP East	Solid	1312	
LB 500-400033/1-C	Method Blank	SPLP East	Solid	1312	
500-133400-9 MS	B-6(0-4)083117	SPLP East	Solid	1312	
500-133400-16 MS	B-1(4-7)083117D	SPLP East	Solid	1312	
500-133400-9 DU	B-6(0-4)083117	SPLP East	Solid	1312	
500-133400-16 DU	B-1(4-7)083117D	SPLP East	Solid	1312	

Prep Batch: 400044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	7471B	
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	7471B	
500-133400-3	B-2(4-8)083117	Total/NA	Solid	7471B	
500-133400-4	B-3(0-4)083117	Total/NA	Solid	7471B	
500-133400-5	B-3(4-6)083117	Total/NA	Solid	7471B	
500-133400-6	B-4(0-4)083117	Total/NA	Solid	7471B	
500-133400-7	B-4(4-6)083117	Total/NA	Solid	7471B	
500-133400-8	B-5(0-5)083117	Total/NA	Solid	7471B	
500-133400-9	B-6(0-4)083117	Total/NA	Solid	7471B	
500-133400-10	B-7(0-3)083117	Total/NA	Solid	7471B	
500-133400-11	B-8(0-4)083117	Total/NA	Solid	7471B	
500-133400-12	B-8(4-7)083117	Total/NA	Solid	7471B	
500-133400-14	B-1(0-4)083117	Total/NA	Solid	7471B	
500-133400-15	B-1(4-7)083117	Total/NA	Solid	7471B	
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 400044 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-400044/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-400044/13-A	Lab Control Sample	Total/NA	Solid	7471B	
500-133400-1 MS	B-2(0-4)083117	Total/NA	Solid	7471B	
500-133400-1 MSD	B-2(0-4)083117	Total/NA	Solid	7471B	
500-133400-1 DU	B-2(0-4)083117	Total/NA	Solid	7471B	

Prep Batch: 400060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	3050B	
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	3050B	
500-133400-3	B-2(4-8)083117	Total/NA	Solid	3050B	
500-133400-4	B-3(0-4)083117	Total/NA	Solid	3050B	
500-133400-5	B-3(4-6)083117	Total/NA	Solid	3050B	
500-133400-6	B-4(0-4)083117	Total/NA	Solid	3050B	
500-133400-7	B-4(4-6)083117	Total/NA	Solid	3050B	
500-133400-8	B-5(0-5)083117	Total/NA	Solid	3050B	
500-133400-9	B-6(0-4)083117	Total/NA	Solid	3050B	
500-133400-10	B-7(0-3)083117	Total/NA	Solid	3050B	
500-133400-11	B-8(0-4)083117	Total/NA	Solid	3050B	
500-133400-12	B-8(4-7)083117	Total/NA	Solid	3050B	
500-133400-14	B-1(0-4)083117	Total/NA	Solid	3050B	
500-133400-15	B-1(4-7)083117	Total/NA	Solid	3050B	
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	3050B	
MB 500-400060/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-400060/2-A	Lab Control Sample	Total/NA	Solid	3050B	
500-133400-1 MS	B-2(0-4)083117	Total/NA	Solid	3050B	
500-133400-1 MSD	B-2(0-4)083117	Total/NA	Solid	3050B	
500-133400-1 DU	B-2(0-4)083117	Total/NA	Solid	3050B	

Prep Batch: 400078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	TCLP	Solid	3010A	400031
500-133400-2	B-2(0-4)083117D	TCLP	Solid	3010A	400031
500-133400-3	B-2(4-8)083117	TCLP	Solid	3010A	400031
500-133400-4	B-3(0-4)083117	TCLP	Solid	3010A	400031
500-133400-5	B-3(4-6)083117	TCLP	Solid	3010A	400031
500-133400-6	B-4(0-4)083117	TCLP	Solid	3010A	400031
500-133400-7	B-4(4-6)083117	TCLP	Solid	3010A	400031
500-133400-8	B-5(0-5)083117	TCLP	Solid	3010A	400031
500-133400-9	B-6(0-4)083117	TCLP	Solid	3010A	400031
500-133400-10	B-7(0-3)083117	TCLP	Solid	3010A	400031
500-133400-11	B-8(0-4)083117	TCLP	Solid	3010A	400031
500-133400-12	B-8(4-7)083117	TCLP	Solid	3010A	400031
500-133400-14	B-1(0-4)083117	TCLP	Solid	3010A	400031
500-133400-15	B-1(4-7)083117	TCLP	Solid	3010A	400031
500-133400-16	B-1(4-7)083117D	TCLP	Solid	3010A	400031
LB 500-400031/1-B	Method Blank	TCLP	Solid	3010A	400031
LCS 500-400078/2-A	Lab Control Sample	Total/NA	Solid	3010A	
500-133400-16 MS	B-1(4-7)083117D	TCLP	Solid	3010A	400031
500-133400-16 DU	B-1(4-7)083117D	TCLP	Solid	3010A	400031

Metals (Continued)

Prep Batch: 400142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	SPLP East	Solid	3010A	400033
500-133400-2	B-2(0-4)083117D	SPLP East	Solid	3010A	400033
500-133400-3	B-2(4-8)083117	SPLP East	Solid	3010A	400033
500-133400-4	B-3(0-4)083117	SPLP East	Solid	3010A	400033
500-133400-5	B-3(4-6)083117	SPLP East	Solid	3010A	400033
500-133400-6	B-4(0-4)083117	SPLP East	Solid	3010A	400033
500-133400-7	B-4(4-6)083117	SPLP East	Solid	3010A	400033
500-133400-8	B-5(0-5)083117	SPLP East	Solid	3010A	400033
500-133400-9	B-6(0-4)083117	SPLP East	Solid	3010A	400033
500-133400-10	B-7(0-3)083117	SPLP East	Solid	3010A	400033
500-133400-11	B-8(0-4)083117	SPLP East	Solid	3010A	400033
500-133400-12	B-8(4-7)083117	SPLP East	Solid	3010A	400033
500-133400-14	B-1(0-4)083117	SPLP East	Solid	3010A	400033
500-133400-15	B-1(4-7)083117	SPLP East	Solid	3010A	400033
500-133400-16	B-1(4-7)083117D	SPLP East	Solid	3010A	400033
LB 500-400033/1-B	Method Blank	SPLP East	Solid	3010A	400033
LCS 500-400142/2-A	Lab Control Sample	Total/NA	Solid	3010A	
500-133400-16 MS	B-1(4-7)083117D	SPLP East	Solid	3010A	400033
500-133400-16 DU	B-1(4-7)083117D	SPLP East	Solid	3010A	400033

Analysis Batch: 400180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	6010B	400060
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	6010B	400060
500-133400-3	B-2(4-8)083117	Total/NA	Solid	6010B	400060
500-133400-4	B-3(0-4)083117	Total/NA	Solid	6010B	400060
500-133400-5	B-3(4-6)083117	Total/NA	Solid	6010B	400060
500-133400-6	B-4(0-4)083117	Total/NA	Solid	6010B	400060
500-133400-7	B-4(4-6)083117	Total/NA	Solid	6010B	400060
500-133400-8	B-5(0-5)083117	Total/NA	Solid	6010B	400060
500-133400-9	B-6(0-4)083117	Total/NA	Solid	6010B	400060
500-133400-10	B-7(0-3)083117	Total/NA	Solid	6010B	400060
500-133400-11	B-8(0-4)083117	Total/NA	Solid	6010B	400060
500-133400-12	B-8(4-7)083117	Total/NA	Solid	6010B	400060
500-133400-14	B-1(0-4)083117	Total/NA	Solid	6010B	400060
500-133400-15	B-1(4-7)083117	Total/NA	Solid	6010B	400060
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	6010B	400060
MB 500-400060/1-A	Method Blank	Total/NA	Solid	6010B	400060
LCS 500-400060/2-A	Lab Control Sample	Total/NA	Solid	6010B	400060
500-133400-1 MS	B-2(0-4)083117	Total/NA	Solid	6010B	400060
500-133400-1 MSD	B-2(0-4)083117	Total/NA	Solid	6010B	400060
500-133400-1 DU	B-2(0-4)083117	Total/NA	Solid	6010B	400060

Prep Batch: 400215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	TCLP	Solid	7470A	400031
500-133400-2	B-2(0-4)083117D	TCLP	Solid	7470A	400031
500-133400-3	B-2(4-8)083117	TCLP	Solid	7470A	400031
500-133400-4	B-3(0-4)083117	TCLP	Solid	7470A	400031
500-133400-5	B-3(4-6)083117	TCLP	Solid	7470A	400031
500-133400-6	B-4(0-4)083117	TCLP	Solid	7470A	400031

Metals (Continued)

Prep Batch: 400215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-7	B-4(4-6)083117	TCLP	Solid	7470A	400031
500-133400-8	B-5(0-5)083117	TCLP	Solid	7470A	400031
500-133400-9	B-6(0-4)083117	TCLP	Solid	7470A	400031
500-133400-10	B-7(0-3)083117	TCLP	Solid	7470A	400031
500-133400-11	B-8(0-4)083117	TCLP	Solid	7470A	400031
500-133400-12	B-8(4-7)083117	TCLP	Solid	7470A	400031
500-133400-14	B-1(0-4)083117	TCLP	Solid	7470A	400031
500-133400-15	B-1(4-7)083117	TCLP	Solid	7470A	400031
500-133400-16	B-1(4-7)083117D	TCLP	Solid	7470A	400031
LB 500-400031/1-C	Method Blank	TCLP	Solid	7470A	400031
MB 500-400215/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-400215/13-A	Lab Control Sample	Total/NA	Solid	7470A	
500-133400-16 MS	B-1(4-7)083117D	TCLP	Solid	7470A	400031
500-133400-16 DU	B-1(4-7)083117D	TCLP	Solid	7470A	400031

Prep Batch: 400216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	SPLP East	Solid	7470A	400033
500-133400-2	B-2(0-4)083117D	SPLP East	Solid	7470A	400033
500-133400-3	B-2(4-8)083117	SPLP East	Solid	7470A	400033
500-133400-4	B-3(0-4)083117	SPLP East	Solid	7470A	400033
500-133400-5	B-3(4-6)083117	SPLP East	Solid	7470A	400033
500-133400-6	B-4(0-4)083117	SPLP East	Solid	7470A	400033
500-133400-7	B-4(4-6)083117	SPLP East	Solid	7470A	400033
500-133400-8	B-5(0-5)083117	SPLP East	Solid	7470A	400033
500-133400-9	B-6(0-4)083117	SPLP East	Solid	7470A	400033
500-133400-10	B-7(0-3)083117	SPLP East	Solid	7470A	400033
500-133400-11	B-8(0-4)083117	SPLP East	Solid	7470A	400033
500-133400-12	B-8(4-7)083117	SPLP East	Solid	7470A	400033
500-133400-14	B-1(0-4)083117	SPLP East	Solid	7470A	400033
500-133400-15	B-1(4-7)083117	SPLP East	Solid	7470A	400033
500-133400-16	B-1(4-7)083117D	SPLP East	Solid	7470A	400033
LB 500-400033/1-C	Method Blank	SPLP East	Solid	7470A	400033
MB 500-400216/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-400216/13-A	Lab Control Sample	Total/NA	Solid	7470A	
500-133400-9 MS	B-6(0-4)083117	SPLP East	Solid	7470A	400033
500-133400-9 DU	B-6(0-4)083117	SPLP East	Solid	7470A	400033

Analysis Batch: 400263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	7471B	400044
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	7471B	400044
500-133400-3	B-2(4-8)083117	Total/NA	Solid	7471B	400044
500-133400-4	B-3(0-4)083117	Total/NA	Solid	7471B	400044
500-133400-5	B-3(4-6)083117	Total/NA	Solid	7471B	400044
500-133400-6	B-4(0-4)083117	Total/NA	Solid	7471B	400044
500-133400-7	B-4(4-6)083117	Total/NA	Solid	7471B	400044
500-133400-8	B-5(0-5)083117	Total/NA	Solid	7471B	400044
500-133400-9	B-6(0-4)083117	Total/NA	Solid	7471B	400044
500-133400-10	B-7(0-3)083117	Total/NA	Solid	7471B	400044
500-133400-11	B-8(0-4)083117	Total/NA	Solid	7471B	400044

Metals (Continued)

Analysis Batch: 400263 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-12	B-8(4-7)083117	Total/NA	Solid	7471B	400044
500-133400-14	B-1(0-4)083117	Total/NA	Solid	7471B	400044
500-133400-15	B-1(4-7)083117	Total/NA	Solid	7471B	400044
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	7471B	400044
MB 500-400044/12-A	Method Blank	Total/NA	Solid	7471B	400044
LCS 500-400044/13-A	Lab Control Sample	Total/NA	Solid	7471B	400044
500-133400-1 MS	B-2(0-4)083117	Total/NA	Solid	7471B	400044
500-133400-1 MSD	B-2(0-4)083117	Total/NA	Solid	7471B	400044
500-133400-1 DU	B-2(0-4)083117	Total/NA	Solid	7471B	400044

Analysis Batch: 400337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	TCLP	Solid	6010B	400078
500-133400-2	B-2(0-4)083117D	TCLP	Solid	6010B	400078
500-133400-3	B-2(4-8)083117	TCLP	Solid	6010B	400078
500-133400-4	B-3(0-4)083117	TCLP	Solid	6010B	400078
500-133400-5	B-3(4-6)083117	TCLP	Solid	6010B	400078
500-133400-6	B-4(0-4)083117	TCLP	Solid	6010B	400078
500-133400-7	B-4(4-6)083117	TCLP	Solid	6010B	400078
500-133400-8	B-5(0-5)083117	TCLP	Solid	6010B	400078
500-133400-9	B-6(0-4)083117	TCLP	Solid	6010B	400078
500-133400-10	B-7(0-3)083117	TCLP	Solid	6010B	400078
500-133400-11	B-8(0-4)083117	TCLP	Solid	6010B	400078
500-133400-12	B-8(4-7)083117	TCLP	Solid	6010B	400078
500-133400-14	B-1(0-4)083117	TCLP	Solid	6010B	400078
500-133400-15	B-1(4-7)083117	TCLP	Solid	6010B	400078
500-133400-16	B-1(4-7)083117D	TCLP	Solid	6010B	400078
LB 500-400031/1-B	Method Blank	TCLP	Solid	6010B	400078
LCS 500-400078/2-A	Lab Control Sample	Total/NA	Solid	6010B	400078
500-133400-16 MS	B-1(4-7)083117D	TCLP	Solid	6010B	400078
500-133400-16 DU	B-1(4-7)083117D	TCLP	Solid	6010B	400078

Analysis Batch: 400343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-3	B-2(4-8)083117	Total/NA	Solid	6010B	400060
500-133400-8	B-5(0-5)083117	Total/NA	Solid	6010B	400060
500-133400-9	B-6(0-4)083117	Total/NA	Solid	6010B	400060
500-133400-10	B-7(0-3)083117	Total/NA	Solid	6010B	400060
500-133400-11	B-8(0-4)083117	Total/NA	Solid	6010B	400060
500-133400-12	B-8(4-7)083117	Total/NA	Solid	6010B	400060
500-133400-15	B-1(4-7)083117	Total/NA	Solid	6010B	400060
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	6010B	400060
MB 500-400060/1-A	Method Blank	Total/NA	Solid	6010B	400060
LCS 500-400060/2-A	Lab Control Sample	Total/NA	Solid	6010B	400060

Analysis Batch: 400344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	SPLP East	Solid	6010B	400142
500-133400-2	B-2(0-4)083117D	SPLP East	Solid	6010B	400142
500-133400-3	B-2(4-8)083117	SPLP East	Solid	6010B	400142
500-133400-4	B-3(0-4)083117	SPLP East	Solid	6010B	400142

Metals (Continued)

Analysis Batch: 400344 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-5	B-3(4-6)083117	SPLP East	Solid	6010B	400142
500-133400-6	B-4(0-4)083117	SPLP East	Solid	6010B	400142
500-133400-7	B-4(4-6)083117	SPLP East	Solid	6010B	400142
500-133400-8	B-5(0-5)083117	SPLP East	Solid	6010B	400142
500-133400-9	B-6(0-4)083117	SPLP East	Solid	6010B	400142
500-133400-10	B-7(0-3)083117	SPLP East	Solid	6010B	400142
500-133400-11	B-8(0-4)083117	SPLP East	Solid	6010B	400142
500-133400-12	B-8(4-7)083117	SPLP East	Solid	6010B	400142
500-133400-14	B-1(0-4)083117	SPLP East	Solid	6010B	400142
500-133400-15	B-1(4-7)083117	SPLP East	Solid	6010B	400142
500-133400-16	B-1(4-7)083117D	SPLP East	Solid	6010B	400142
LB 500-400033/1-B	Method Blank	SPLP East	Solid	6010B	400142
LCS 500-400142/2-A	Lab Control Sample	Total/NA	Solid	6010B	400142
500-133400-16 MS	B-1(4-7)083117D	SPLP East	Solid	6010B	400142
500-133400-16 DU	B-1(4-7)083117D	SPLP East	Solid	6010B	400142

Analysis Batch: 400389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	SPLP East	Solid	7470A	400216
500-133400-1	B-2(0-4)083117	TCLP	Solid	7470A	400215
500-133400-2	B-2(0-4)083117D	SPLP East	Solid	7470A	400216
500-133400-2	B-2(0-4)083117D	TCLP	Solid	7470A	400215
500-133400-3	B-2(4-8)083117	SPLP East	Solid	7470A	400216
500-133400-3	B-2(4-8)083117	TCLP	Solid	7470A	400215
500-133400-4	B-3(0-4)083117	SPLP East	Solid	7470A	400216
500-133400-4	B-3(0-4)083117	TCLP	Solid	7470A	400215
500-133400-5	B-3(4-6)083117	SPLP East	Solid	7470A	400216
500-133400-5	B-3(4-6)083117	TCLP	Solid	7470A	400215
500-133400-6	B-4(0-4)083117	SPLP East	Solid	7470A	400216
500-133400-6	B-4(0-4)083117	TCLP	Solid	7470A	400215
500-133400-7	B-4(4-6)083117	SPLP East	Solid	7470A	400216
500-133400-7	B-4(4-6)083117	TCLP	Solid	7470A	400215
500-133400-8	B-5(0-5)083117	SPLP East	Solid	7470A	400216
500-133400-8	B-5(0-5)083117	TCLP	Solid	7470A	400215
500-133400-9	B-6(0-4)083117	SPLP East	Solid	7470A	400216
500-133400-9	B-6(0-4)083117	TCLP	Solid	7470A	400215
500-133400-10	B-7(0-3)083117	SPLP East	Solid	7470A	400216
500-133400-10	B-7(0-3)083117	TCLP	Solid	7470A	400215
500-133400-11	B-8(0-4)083117	SPLP East	Solid	7470A	400216
500-133400-11	B-8(0-4)083117	TCLP	Solid	7470A	400215
500-133400-12	B-8(4-7)083117	SPLP East	Solid	7470A	400216
500-133400-12	B-8(4-7)083117	TCLP	Solid	7470A	400215
500-133400-14	B-1(0-4)083117	SPLP East	Solid	7470A	400216
500-133400-14	B-1(0-4)083117	TCLP	Solid	7470A	400215
500-133400-15	B-1(4-7)083117	SPLP East	Solid	7470A	400216
500-133400-15	B-1(4-7)083117	TCLP	Solid	7470A	400215
500-133400-16	B-1(4-7)083117D	SPLP East	Solid	7470A	400216
500-133400-16	B-1(4-7)083117D	TCLP	Solid	7470A	400215
LB 500-400031/1-C	Method Blank	TCLP	Solid	7470A	400215
LB 500-400033/1-C	Method Blank	SPLP East	Solid	7470A	400216
MB 500-400215/12-A	Method Blank	Total/NA	Solid	7470A	400215

Metals (Continued)

Analysis Batch: 400389 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-400216/12-A	Method Blank	Total/NA	Solid	7470A	400216
LCS 500-400215/13-A	Lab Control Sample	Total/NA	Solid	7470A	400215
LCS 500-400216/13-A	Lab Control Sample	Total/NA	Solid	7470A	400216
500-133400-9 MS	B-6(0-4)083117	SPLP East	Solid	7470A	400216
500-133400-16 MS	B-1(4-7)083117D	TCLP	Solid	7470A	400215
500-133400-9 DU	B-6(0-4)083117	SPLP East	Solid	7470A	400216
500-133400-16 DU	B-1(4-7)083117D	TCLP	Solid	7470A	400215

General Chemistry

Analysis Batch: 400004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	Moisture	
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	Moisture	
500-133400-3	B-2(4-8)083117	Total/NA	Solid	Moisture	
500-133400-4	B-3(0-4)083117	Total/NA	Solid	Moisture	
500-133400-5	B-3(4-6)083117	Total/NA	Solid	Moisture	
500-133400-6	B-4(0-4)083117	Total/NA	Solid	Moisture	
500-133400-7	B-4(4-6)083117	Total/NA	Solid	Moisture	
500-133400-8	B-5(0-5)083117	Total/NA	Solid	Moisture	
500-133400-9	B-6(0-4)083117	Total/NA	Solid	Moisture	
500-133400-10	B-7(0-3)083117	Total/NA	Solid	Moisture	
500-133400-11	B-8(0-4)083117	Total/NA	Solid	Moisture	
500-133400-12	B-8(4-7)083117	Total/NA	Solid	Moisture	
500-133400-14	B-1(0-4)083117	Total/NA	Solid	Moisture	
500-133400-15	B-1(4-7)083117	Total/NA	Solid	Moisture	
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	Moisture	
500-133400-12 DU	B-8(4-7)083117	Total/NA	Solid	Moisture	

Analysis Batch: 400161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	9056A	400518
500-133400-1	B-2(0-4)083117	Total/NA	Solid	9056A	400518
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	9056A	400518
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	9056A	400518
500-133400-3	B-2(4-8)083117	Total/NA	Solid	9056A	400518
500-133400-3	B-2(4-8)083117	Total/NA	Solid	9056A	400518
500-133400-4	B-3(0-4)083117	Total/NA	Solid	9056A	400518
500-133400-5	B-3(4-6)083117	Total/NA	Solid	9056A	400518
500-133400-5	B-3(4-6)083117	Total/NA	Solid	9056A	400518
500-133400-6	B-4(0-4)083117	Total/NA	Solid	9056A	400518
500-133400-6	B-4(0-4)083117	Total/NA	Solid	9056A	400518
500-133400-7	B-4(4-6)083117	Total/NA	Solid	9056A	400518
500-133400-7	B-4(4-6)083117	Total/NA	Solid	9056A	400518
500-133400-8	B-5(0-5)083117	Total/NA	Solid	9056A	400518
500-133400-9	B-6(0-4)083117	Total/NA	Solid	9056A	400518
500-133400-9	B-6(0-4)083117	Total/NA	Solid	9056A	400518
500-133400-10	B-7(0-3)083117	Total/NA	Solid	9056A	400518
500-133400-10	B-7(0-3)083117	Total/NA	Solid	9056A	400518
500-133400-11	B-8(0-4)083117	Total/NA	Solid	9056A	400518

General Chemistry (Continued)

Analysis Batch: 400161 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-11	B-8(0-4)083117	Total/NA	Solid	9056A	400518
500-133400-12	B-8(4-7)083117	Total/NA	Solid	9056A	400518
500-133400-12	B-8(4-7)083117	Total/NA	Solid	9056A	400518
500-133400-14	B-1(0-4)083117	Total/NA	Solid	9056A	400518
500-133400-14	B-1(0-4)083117	Total/NA	Solid	9056A	400518
500-133400-15	B-1(4-7)083117	Total/NA	Solid	9056A	400518
500-133400-15	B-1(4-7)083117	Total/NA	Solid	9056A	400518
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	9056A	400518
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	9056A	400518
MB 500-400518/1-A	Method Blank	Total/NA	Solid	9056A	400518
LCS 500-400518/2-A	Lab Control Sample	Total/NA	Solid	9056A	400518

Prep Batch: 400208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	9010C	
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	9010C	
500-133400-3	B-2(4-8)083117	Total/NA	Solid	9010C	
500-133400-4	B-3(0-4)083117	Total/NA	Solid	9010C	
500-133400-5	B-3(4-6)083117	Total/NA	Solid	9010C	
500-133400-6	B-4(0-4)083117	Total/NA	Solid	9010C	
500-133400-7	B-4(4-6)083117	Total/NA	Solid	9010C	
500-133400-8	B-5(0-5)083117	Total/NA	Solid	9010C	
500-133400-9	B-6(0-4)083117	Total/NA	Solid	9010C	
500-133400-10	B-7(0-3)083117	Total/NA	Solid	9010C	
MB 500-400208/8-A	Method Blank	Total/NA	Solid	9010C	
LCS 500-400208/9-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 400286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	9014	400208
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	9014	400208
500-133400-3	B-2(4-8)083117	Total/NA	Solid	9014	400208
500-133400-4	B-3(0-4)083117	Total/NA	Solid	9014	400208
500-133400-5	B-3(4-6)083117	Total/NA	Solid	9014	400208
500-133400-6	B-4(0-4)083117	Total/NA	Solid	9014	400208
500-133400-7	B-4(4-6)083117	Total/NA	Solid	9014	400208
500-133400-8	B-5(0-5)083117	Total/NA	Solid	9014	400208
500-133400-9	B-6(0-4)083117	Total/NA	Solid	9014	400208
500-133400-10	B-7(0-3)083117	Total/NA	Solid	9014	400208
MB 500-400208/8-A	Method Blank	Total/NA	Solid	9014	400208
LCS 500-400208/9-A	Lab Control Sample	Total/NA	Solid	9014	400208

Analysis Batch: 400408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-3	B-2(4-8)083117	Total/NA	Solid	9045D	
500-133400-4	B-3(0-4)083117	Total/NA	Solid	9045D	
500-133400-5	B-3(4-6)083117	Total/NA	Solid	9045D	
500-133400-6	B-4(0-4)083117	Total/NA	Solid	9045D	
500-133400-7	B-4(4-6)083117	Total/NA	Solid	9045D	
500-133400-8	B-5(0-5)083117	Total/NA	Solid	9045D	
500-133400-9	B-6(0-4)083117	Total/NA	Solid	9045D	

General Chemistry (Continued)

Analysis Batch: 400408 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-10	B-7(0-3)083117	Total/NA	Solid	9045D	
500-133400-11	B-8(0-4)083117	Total/NA	Solid	9045D	
500-133400-12	B-8(4-7)083117	Total/NA	Solid	9045D	
500-133400-14	B-1(0-4)083117	Total/NA	Solid	9045D	
500-133400-15	B-1(4-7)083117	Total/NA	Solid	9045D	
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	9045D	
500-133400-3 DU	B-2(4-8)083117	Total/NA	Solid	9045D	

Prep Batch: 400518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	300_Prep	
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	300_Prep	
500-133400-3	B-2(4-8)083117	Total/NA	Solid	300_Prep	
500-133400-4	B-3(0-4)083117	Total/NA	Solid	300_Prep	
500-133400-5	B-3(4-6)083117	Total/NA	Solid	300_Prep	
500-133400-6	B-4(0-4)083117	Total/NA	Solid	300_Prep	
500-133400-7	B-4(4-6)083117	Total/NA	Solid	300_Prep	
500-133400-8	B-5(0-5)083117	Total/NA	Solid	300_Prep	
500-133400-9	B-6(0-4)083117	Total/NA	Solid	300_Prep	
500-133400-10	B-7(0-3)083117	Total/NA	Solid	300_Prep	
500-133400-11	B-8(0-4)083117	Total/NA	Solid	300_Prep	
500-133400-12	B-8(4-7)083117	Total/NA	Solid	300_Prep	
500-133400-14	B-1(0-4)083117	Total/NA	Solid	300_Prep	
500-133400-15	B-1(4-7)083117	Total/NA	Solid	300_Prep	
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	300_Prep	
MB 500-400518/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 500-400518/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 400687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-11	B-8(0-4)083117	Total/NA	Solid	9010C	
500-133400-12	B-8(4-7)083117	Total/NA	Solid	9010C	
500-133400-14	B-1(0-4)083117	Total/NA	Solid	9010C	
500-133400-15	B-1(4-7)083117	Total/NA	Solid	9010C	
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	9010C	
MB 500-400687/1-A	Method Blank	Total/NA	Solid	9010C	
LCS 500-400687/2-A	Lab Control Sample	Total/NA	Solid	9010C	
500-133400-12 MS	B-8(4-7)083117	Total/NA	Solid	9010C	
500-133400-12 MSD	B-8(4-7)083117	Total/NA	Solid	9010C	

Analysis Batch: 400793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-4	B-3(0-4)083117	Total/NA	Solid	9056A	400518
500-133400-14	B-1(0-4)083117	Total/NA	Solid	9056A	400518
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	9056A	400518
MB 500-400518/1-A	Method Blank	Total/NA	Solid	9056A	400518
LCS 500-400518/2-A	Lab Control Sample	Total/NA	Solid	9056A	400518

Analysis Batch: 400803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-11	B-8(0-4)083117	Total/NA	Solid	9014	400687

General Chemistry (Continued)

Analysis Batch: 400803 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-12	B-8(4-7)083117	Total/NA	Solid	9014	400687
500-133400-14	B-1(0-4)083117	Total/NA	Solid	9014	400687
500-133400-15	B-1(4-7)083117	Total/NA	Solid	9014	400687
500-133400-16	B-1(4-7)083117D	Total/NA	Solid	9014	400687
MB 500-400687/1-A	Method Blank	Total/NA	Solid	9014	400687
LCS 500-400687/2-A	Lab Control Sample	Total/NA	Solid	9014	400687
500-133400-12 MS	B-8(4-7)083117	Total/NA	Solid	9014	400687
500-133400-12 MSD	B-8(4-7)083117	Total/NA	Solid	9014	400687

Analysis Batch: 401125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-1	B-2(0-4)083117	Total/NA	Solid	9045D	
500-133400-2	B-2(0-4)083117D	Total/NA	Solid	9045D	

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(75-131)	(75-126)	(70-134)	(75-124)
500-133400-1	B-2(0-4)083117	86	97	97	101
500-133400-2	B-2(0-4)083117D	95	100	104	99
500-133400-3	B-2(4-8)083117	96	102	99	99
500-133400-4	B-3(0-4)083117	94	101	100	99
500-133400-5	B-3(4-6)083117	94	99	98	100
500-133400-6	B-4(0-4)083117	95	100	100	98
500-133400-7	B-4(4-6)083117	94	102	100	100
500-133400-8	B-5(0-5)083117	92	99	102	99
500-133400-9	B-6(0-4)083117	92	99	96	97
500-133400-10	B-7(0-3)083117	94	101	100	98
500-133400-11	B-8(0-4)083117	93	100	98	98
500-133400-12	B-8(4-7)083117	94	97	96	96
500-133400-14	B-1(0-4)083117	96	101	103	93
500-133400-15	B-1(4-7)083117	96	100	99	99
500-133400-16	B-1(4-7)083117D	96	101	100	100
LCS 500-399948/4	Lab Control Sample	95	99	93	99
LCSD 500-399948/5	Lab Control Sample Dup	95	99	96	99
MB 500-399948/6	Method Blank	93	94	91	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(25-139)	(44-121)	(46-133)	(41-120)	(46-125)	(35-160)
500-133400-1	B-2(0-4)083117	70	93	104	94	104	120
500-133400-1 MS	B-2(0-4)083117	90	98	102	96	99	110
500-133400-1 MSD	B-2(0-4)083117	77	83	78	80	93	102
500-133400-2	B-2(0-4)083117D	46	82	90	83	88	100
500-133400-3	B-2(4-8)083117	27	92	101	93	95	100
500-133400-4	B-3(0-4)083117	38	98	101	97	98	100
500-133400-5	B-3(4-6)083117	49	98	95	100	95	99
500-133400-6	B-4(0-4)083117	36	82	90	85	89	99
500-133400-7	B-4(4-6)083117	40	91	95	90	95	96
500-133400-8	B-5(0-5)083117	43	89	102	88	95	90
500-133400-9	B-6(0-4)083117	44	104	89	64	87	98
500-133400-10	B-7(0-3)083117	48	89	94	84	94	96
500-133400-11	B-8(0-4)083117	35	83	88	87	86	93
500-133400-12	B-8(4-7)083117	36	84	89	85	89	95
500-133400-14	B-1(0-4)083117	52	91	99	93	98	104
500-133400-15	B-1(4-7)083117	40	82	89	82	88	91
500-133400-16	B-1(4-7)083117D	50	91	89	81	86	98
LCS 500-400306/2-A	Lab Control Sample	78	91	114	89	98	97

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL	TPH		
Lab Sample ID	Client Sample ID	(25-139)	(44-121)	(46-133)	(41-120)	(46-125)	(35-160)		
MB 500-400306/1-A	Method Blank	67	93	124	86	105	100		

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-399948/6
Matrix: Solid
Analysis Batch: 399948

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<20		20	8.7	ug/Kg			09/01/17 11:54	1
Benzene	<2.0		2.0	0.51	ug/Kg			09/01/17 11:54	1
Bromodichloromethane	<2.0		2.0	0.41	ug/Kg			09/01/17 11:54	1
Bromoform	<2.0		2.0	0.58	ug/Kg			09/01/17 11:54	1
Bromomethane	<5.0		5.0	1.9	ug/Kg			09/01/17 11:54	1
Carbon disulfide	<5.0		5.0	1.0	ug/Kg			09/01/17 11:54	1
Carbon tetrachloride	<2.0		2.0	0.58	ug/Kg			09/01/17 11:54	1
Chlorobenzene	<2.0		2.0	0.74	ug/Kg			09/01/17 11:54	1
Chloroethane	<5.0		5.0	1.5	ug/Kg			09/01/17 11:54	1
Chloroform	<2.0		2.0	0.69	ug/Kg			09/01/17 11:54	1
Chloromethane	<5.0		5.0	2.0	ug/Kg			09/01/17 11:54	1
cis-1,2-Dichloroethene	<2.0		2.0	0.56	ug/Kg			09/01/17 11:54	1
cis-1,3-Dichloropropene	<2.0		2.0	0.60	ug/Kg			09/01/17 11:54	1
Dibromochloromethane	<2.0		2.0	0.65	ug/Kg			09/01/17 11:54	1
1,1-Dichloroethane	<2.0		2.0	0.69	ug/Kg			09/01/17 11:54	1
1,2-Dichloroethane	<5.0		5.0	1.6	ug/Kg			09/01/17 11:54	1
1,1-Dichloroethene	<2.0		2.0	0.69	ug/Kg			09/01/17 11:54	1
1,2-Dichloropropane	<2.0		2.0	0.52	ug/Kg			09/01/17 11:54	1
1,3-Dichloropropene, Total	<2.0		2.0	0.70	ug/Kg			09/01/17 11:54	1
Ethylbenzene	<2.0		2.0	0.96	ug/Kg			09/01/17 11:54	1
2-Hexanone	<5.0		5.0	1.6	ug/Kg			09/01/17 11:54	1
Methylene Chloride	<5.0		5.0	2.0	ug/Kg			09/01/17 11:54	1
Methyl Ethyl Ketone	<5.0		5.0	2.2	ug/Kg			09/01/17 11:54	1
methyl isobutyl ketone	<5.0		5.0	1.5	ug/Kg			09/01/17 11:54	1
Methyl tert-butyl ether	<2.0		2.0	0.59	ug/Kg			09/01/17 11:54	1
Styrene	<2.0		2.0	0.60	ug/Kg			09/01/17 11:54	1
1,1,2,2-Tetrachloroethane	<2.0		2.0	0.64	ug/Kg			09/01/17 11:54	1
Tetrachloroethene	<2.0		2.0	0.68	ug/Kg			09/01/17 11:54	1
Toluene	<2.0		2.0	0.51	ug/Kg			09/01/17 11:54	1
trans-1,2-Dichloroethene	<2.0		2.0	0.89	ug/Kg			09/01/17 11:54	1
trans-1,3-Dichloropropene	<2.0		2.0	0.70	ug/Kg			09/01/17 11:54	1
1,1,1-Trichloroethane	<2.0		2.0	0.67	ug/Kg			09/01/17 11:54	1
1,1,2-Trichloroethane	<2.0		2.0	0.86	ug/Kg			09/01/17 11:54	1
Trichloroethene	<2.0		2.0	0.68	ug/Kg			09/01/17 11:54	1
Vinyl chloride	<2.0		2.0	0.89	ug/Kg			09/01/17 11:54	1
Xylenes, Total	<4.0		4.0	0.64	ug/Kg			09/01/17 11:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*75 - 131*		*09/01/17 11:54*	*1*
Dibromofluoromethane	*94*		*75 - 126*		*09/01/17 11:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*		*09/01/17 11:54*	*1*
Toluene-d8 (Surr)	*92*		*75 - 124*		*09/01/17 11:54*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-399948/4
Matrix: Solid
Analysis Batch: 399948

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	49.7		ug/Kg		99	40 - 150
Benzene	50.0	46.2		ug/Kg		92	70 - 125
Bromodichloromethane	50.0	48.8		ug/Kg		98	67 - 129
Bromoform	50.0	49.6		ug/Kg		99	68 - 136
Bromomethane	50.0	40.2		ug/Kg		80	70 - 130
Carbon disulfide	50.0	47.9		ug/Kg		96	70 - 129
Carbon tetrachloride	50.0	46.1		ug/Kg		92	75 - 125
Chlorobenzene	50.0	47.0		ug/Kg		94	50 - 150
Chloroethane	50.0	42.7		ug/Kg		85	75 - 125
Chloroform	50.0	44.8		ug/Kg		90	57 - 135
Chloromethane	50.0	45.2		ug/Kg		90	70 - 125
cis-1,2-Dichloroethene	50.0	46.0		ug/Kg		92	70 - 125
cis-1,3-Dichloropropene	50.0	49.2		ug/Kg		98	70 - 125
Dibromochloromethane	50.0	50.1		ug/Kg		100	69 - 125
1,1-Dichloroethane	50.0	47.5		ug/Kg		95	70 - 125
1,2-Dichloroethane	50.0	49.3		ug/Kg		99	70 - 130
1,1-Dichloroethene	50.0	46.1		ug/Kg		92	70 - 120
1,2-Dichloropropane	50.0	49.2		ug/Kg		98	70 - 125
Ethylbenzene	50.0	46.4		ug/Kg		93	61 - 136
2-Hexanone	50.0	49.2		ug/Kg		98	48 - 146
Methylene Chloride	50.0	45.9		ug/Kg		92	70 - 126
Methyl Ethyl Ketone	50.0	50.1		ug/Kg		100	47 - 138
methyl isobutyl ketone	50.0	49.4		ug/Kg		99	50 - 148
Methyl tert-butyl ether	50.0	50.3		ug/Kg		101	50 - 140
Styrene	50.0	47.9		ug/Kg		96	70 - 125
1,1,2,2-Tetrachloroethane	50.0	53.7		ug/Kg		107	70 - 122
Tetrachloroethene	50.0	46.2		ug/Kg		92	70 - 124
Toluene	50.0	45.7		ug/Kg		91	70 - 125
trans-1,2-Dichloroethene	50.0	45.8		ug/Kg		92	70 - 125
trans-1,3-Dichloropropene	50.0	47.5		ug/Kg		95	70 - 125
1,1,1-Trichloroethane	50.0	47.2		ug/Kg		94	70 - 128
1,1,2-Trichloroethane	50.0	47.2		ug/Kg		94	70 - 125
Trichloroethene	50.0	46.8		ug/Kg		94	70 - 125
Vinyl chloride	50.0	45.1		ug/Kg		90	70 - 125
Xylenes, Total	100	94.0		ug/Kg		94	53 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*75 - 131*
Dibromofluoromethane	*99*		*75 - 126*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*
Toluene-d8 (Surr)	*99*		*75 - 124*

Lab Sample ID: LCSD 500-399948/5
Matrix: Solid
Analysis Batch: 399948

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	50.0	45.5		ug/Kg		91	40 - 150	9	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-399948/5
Matrix: Solid
Analysis Batch: 399948

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			50.0	45.3		ug/Kg		91	70 - 125	2	30
Bromodichloromethane			50.0	45.6		ug/Kg		91	67 - 129	7	30
Bromoform			50.0	48.9		ug/Kg		98	68 - 136	1	30
Bromomethane			50.0	36.1		ug/Kg		72	70 - 130	11	30
Carbon disulfide			50.0	44.1		ug/Kg		88	70 - 129	8	30
Carbon tetrachloride			50.0	45.1		ug/Kg		90	75 - 125	2	30
Chlorobenzene			50.0	46.9		ug/Kg		94	50 - 150	0	30
Chloroethane			50.0	36.5	*	ug/Kg		73	75 - 125	15	30
Chloroform			50.0	43.7		ug/Kg		87	57 - 135	2	30
Chloromethane			50.0	41.2		ug/Kg		82	70 - 125	9	30
cis-1,2-Dichloroethene			50.0	45.1		ug/Kg		90	70 - 125	2	30
cis-1,3-Dichloropropene			50.0	48.4		ug/Kg		97	70 - 125	2	30
Dibromochloromethane			50.0	49.2		ug/Kg		98	69 - 125	2	30
1,1-Dichloroethane			50.0	44.0		ug/Kg		88	70 - 125	7	30
1,2-Dichloroethane			50.0	48.3		ug/Kg		97	70 - 130	2	30
1,1-Dichloroethene			50.0	42.2		ug/Kg		84	70 - 120	9	30
1,2-Dichloropropane			50.0	47.2		ug/Kg		94	70 - 125	4	30
Ethylbenzene			50.0	45.2		ug/Kg		90	61 - 136	3	30
2-Hexanone			50.0	54.1		ug/Kg		108	48 - 146	9	30
Methylene Chloride			50.0	43.1		ug/Kg		86	70 - 126	6	30
Methyl Ethyl Ketone			50.0	50.9		ug/Kg		102	47 - 138	2	30
methyl isobutyl ketone			50.0	51.6		ug/Kg		103	50 - 148	4	30
Methyl tert-butyl ether			50.0	46.7		ug/Kg		93	50 - 140	7	30
Styrene			50.0	47.1		ug/Kg		94	70 - 125	2	30
1,1,2,2-Tetrachloroethane			50.0	52.7		ug/Kg		105	70 - 122	2	30
Tetrachloroethene			50.0	45.9		ug/Kg		92	70 - 124	1	30
Toluene			50.0	45.6		ug/Kg		91	70 - 125	0	30
trans-1,2-Dichloroethene			50.0	40.4		ug/Kg		81	70 - 125	13	30
trans-1,3-Dichloropropene			50.0	48.6		ug/Kg		97	70 - 125	2	30
1,1,1-Trichloroethane			50.0	45.1		ug/Kg		90	70 - 128	5	30
1,1,2-Trichloroethane			50.0	48.8		ug/Kg		98	70 - 125	3	30
Trichloroethene			50.0	43.2		ug/Kg		86	70 - 125	8	30
Vinyl chloride			50.0	42.4		ug/Kg		85	70 - 125	6	30
Xylenes, Total			100	91.7		ug/Kg		92	53 - 147	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*75 - 131*
Dibromofluoromethane	*99*		*75 - 126*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*
Toluene-d8 (Surr)	*99*		*75 - 124*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-400306/1-A
Matrix: Solid
Analysis Batch: 400433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	36	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
1,2-Dichlorobenzene	<170		170	40	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
1,3-Dichlorobenzene	<170		170	37	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
1,4-Dichlorobenzene	<170		170	43	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2,2'-oxybis[1-chloropropane]	<170		170	39	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2,4,5-Trichlorophenol	<330		330	76	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2,4,6-Trichlorophenol	<330		330	110	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2,4-Dichlorophenol	<330		330	79	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2,4-Dimethylphenol	<330		330	130	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2,4-Dinitrophenol	<670		670	590	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2,4-Dinitrotoluene	<170		170	53	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2,6-Dinitrotoluene	<170		170	65	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2-Chloronaphthalene	<170		170	37	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2-Chlorophenol	<170		170	57	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2-Methylnaphthalene	<67		67	6.1	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2-Methylphenol	<170		170	53	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2-Nitroaniline	<170		170	45	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
2-Nitrophenol	<330		330	79	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
3 & 4 Methylphenol	<170		170	55	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
3,3'-Dichlorobenzidine	<170		170	47	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
3-Nitroaniline	<330		330	100	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
4,6-Dinitro-2-methylphenol	<670		670	270	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
4-Bromophenyl phenyl ether	<170		170	44	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
4-Chloro-3-methylphenol	<330		330	110	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
4-Chloroaniline	<670		670	160	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
4-Chlorophenyl phenyl ether	<170		170	39	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
4-Nitroaniline	<330		330	140	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
4-Nitrophenol	<670		670	320	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Acenaphthene	<33		33	6.0	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Acenaphthylene	<33		33	4.4	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Anthracene	<33		33	5.6	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Benzo[a]anthracene	<33		33	4.5	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Benzo[a]pyrene	<33		33	6.4	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Benzo[b]fluoranthene	<33		33	7.2	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Benzo[g,h,i]perylene	<33		33	11	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Benzo[k]fluoranthene	<33		33	9.8	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Bis(2-chloroethoxy)methane	<170		170	34	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Bis(2-chloroethyl)ether	<170		170	50	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Bis(2-ethylhexyl) phthalate	<170		170	61	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Butyl benzyl phthalate	<170		170	63	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Carbazole	<170		170	83	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Chrysene	<33		33	9.1	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Dibenz(a,h)anthracene	<33		33	6.4	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Dibenzofuran	<170		170	39	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Diethyl phthalate	<170		170	56	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Dimethyl phthalate	<170		170	43	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Di-n-butyl phthalate	<170		170	51	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Di-n-octyl phthalate	<170		170	54	ug/Kg		09/06/17 07:09	09/06/17 21:39	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-400306/1-A
Matrix: Solid
Analysis Batch: 400433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<33		33	6.2	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Fluorene	<33		33	4.7	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Hexachlorobenzene	<67		67	7.7	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Hexachlorobutadiene	<170		170	52	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Hexachlorocyclopentadiene	<670		670	190	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Hexachloroethane	<170		170	51	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Indeno[1,2,3-cd]pyrene	<33		33	8.6	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Isophorone	<170		170	37	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Naphthalene	<33		33	5.1	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Nitrobenzene	<33		33	8.3	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
N-Nitrosodi-n-propylamine	<67		67	41	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
N-Nitrosodiphenylamine	<170		170	39	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Pentachlorophenol	<670		670	530	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Phenanthrene	<33		33	4.6	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Phenol	<170		170	74	ug/Kg		09/06/17 07:09	09/06/17 21:39	1
Pyrene	<33		33	6.6	ug/Kg		09/06/17 07:09	09/06/17 21:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*25 - 139*	*09/06/17 07:09*	*09/06/17 21:39*	*1*
2-Fluorobiphenyl	*93*		*44 - 121*	*09/06/17 07:09*	*09/06/17 21:39*	*1*
2-Fluorophenol	*124*		*46 - 133*	*09/06/17 07:09*	*09/06/17 21:39*	*1*
Nitrobenzene-d5	*86*		*41 - 120*	*09/06/17 07:09*	*09/06/17 21:39*	*1*
Phenol-d5	*105*		*46 - 125*	*09/06/17 07:09*	*09/06/17 21:39*	*1*
Terphenyl-d14	*100*		*35 - 160*	*09/06/17 07:09*	*09/06/17 21:39*	*1*

Lab Sample ID: LCS 500-400306/2-A
Matrix: Solid
Analysis Batch: 400433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	1330	1140		ug/Kg		86	62 - 110
1,2-Dichlorobenzene	1330	1110		ug/Kg		83	62 - 110
1,3-Dichlorobenzene	1330	1110		ug/Kg		83	60 - 110
1,4-Dichlorobenzene	1330	1100		ug/Kg		82	61 - 110
2,2'-oxybis[1-chloropropane]	1330	1480		ug/Kg		111	40 - 124
2,4,5-Trichlorophenol	1330	1210		ug/Kg		91	50 - 120
2,4,6-Trichlorophenol	1330	1190		ug/Kg		90	57 - 120
2,4-Dichlorophenol	1330	1180		ug/Kg		89	58 - 120
2,4-Dimethylphenol	1330	1220		ug/Kg		91	60 - 110
2,4-Dinitrophenol	2670	<670		ug/Kg		20	10 - 100
2,4-Dinitrotoluene	1330	1230		ug/Kg		92	62 - 117
2,6-Dinitrotoluene	1330	1250		ug/Kg		94	67 - 120
2-Chloronaphthalene	1330	1190		ug/Kg		89	64 - 110
2-Chlorophenol	1330	1190		ug/Kg		89	64 - 110
2-Methylnaphthalene	1330	1190		ug/Kg		89	62 - 110
2-Methylphenol	1330	1130		ug/Kg		85	60 - 120
2-Nitroaniline	1330	1340		ug/Kg		100	57 - 124
2-Nitrophenol	1330	1270		ug/Kg		96	60 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-400306/2-A
Matrix: Solid
Analysis Batch: 400433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
3 & 4 Methylphenol	1330	1140		ug/Kg		85	57 - 120
3,3'-Dichlorobenzidine	1330	1340		ug/Kg		101	49 - 112
3-Nitroaniline	1330	1410		ug/Kg		106	40 - 122
4,6-Dinitro-2-methylphenol	2670	933		ug/Kg		35	10 - 110
4-Bromophenyl phenyl ether	1330	1080		ug/Kg		81	63 - 110
4-Chloro-3-methylphenol	1330	1150		ug/Kg		86	61 - 114
4-Chloroaniline	1330	1370		ug/Kg		103	30 - 150
4-Chlorophenyl phenyl ether	1330	1120		ug/Kg		84	63 - 110
4-Nitroaniline	1330	1840		ug/Kg		138	60 - 160
4-Nitrophenol	2670	2290		ug/Kg		86	30 - 122
Acenaphthene	1330	1090		ug/Kg		81	58 - 110
Acenaphthylene	1330	1260		ug/Kg		95	60 - 110
Anthracene	1330	1220		ug/Kg		92	63 - 110
Benzo[a]anthracene	1330	1210		ug/Kg		91	63 - 110
Benzo[a]pyrene	1330	1280		ug/Kg		96	61 - 120
Benzo[b]fluoranthene	1330	1280		ug/Kg		96	62 - 120
Benzo[g,h,i]perylene	1330	1270		ug/Kg		95	64 - 120
Benzo[k]fluoranthene	1330	1250		ug/Kg		94	65 - 120
Bis(2-chloroethoxy)methane	1330	1090		ug/Kg		81	60 - 112
Bis(2-chloroethyl)ether	1330	920		ug/Kg		69	55 - 111
Bis(2-ethylhexyl) phthalate	1330	1400		ug/Kg		105	63 - 118
Butyl benzyl phthalate	1330	1400		ug/Kg		105	61 - 116
Carbazole	1330	1750		ug/Kg		131	59 - 158
Chrysene	1330	1240		ug/Kg		93	63 - 120
Dibenz(a,h)anthracene	1330	1310		ug/Kg		98	64 - 119
Dibenzofuran	1330	1210		ug/Kg		91	64 - 110
Diethyl phthalate	1330	1240		ug/Kg		93	58 - 120
Dimethyl phthalate	1330	1160		ug/Kg		87	64 - 110
Di-n-butyl phthalate	1330	1270		ug/Kg		95	65 - 120
Di-n-octyl phthalate	1330	1240		ug/Kg		93	63 - 119
Fluoranthene	1330	1140		ug/Kg		85	62 - 120
Fluorene	1330	1190		ug/Kg		89	62 - 120
Hexachlorobenzene	1330	1030		ug/Kg		77	55 - 117
Hexachlorobutadiene	1330	1040		ug/Kg		78	56 - 120
Hexachlorocyclopentadiene	1330	739		ug/Kg		55	10 - 106
Hexachloroethane	1330	1100		ug/Kg		82	61 - 110
Indeno[1,2,3-cd]pyrene	1330	1360		ug/Kg		102	57 - 127
Isophorone	1330	1090		ug/Kg		82	55 - 110
Naphthalene	1330	1160		ug/Kg		87	63 - 110
Nitrobenzene	1330	1100		ug/Kg		82	60 - 116
N-Nitrosodi-n-propylamine	1330	1020		ug/Kg		77	56 - 118
N-Nitrosodiphenylamine	1330	1370		ug/Kg		103	65 - 112
Pentachlorophenol	2670	1500		ug/Kg		56	13 - 112
Phenanthrene	1330	1190		ug/Kg		90	62 - 120
Phenol	1330	1180		ug/Kg		88	56 - 122
Pyrene	1330	1320		ug/Kg		99	63 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-400306/2-A
Matrix: Solid
Analysis Batch: 400433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400306

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*78*		*25 - 139*
2-Fluorobiphenyl	*91*		*44 - 121*
2-Fluorophenol	*114*		*46 - 133*
Nitrobenzene-d5	*89*		*41 - 120*
Phenol-d5	*98*		*46 - 125*
Terphenyl-d14	*97*		*35 - 160*

Lab Sample ID: 500-133400-1 MS
Matrix: Solid
Analysis Batch: 400538

Client Sample ID: B-2(0-4)083117
Prep Type: Total/NA
Prep Batch: 400306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	<200		1610	1560		ug/Kg	☼	97	62 - 110
1,2-Dichlorobenzene	<200		1610	1420		ug/Kg	☼	88	62 - 110
1,3-Dichlorobenzene	<200		1610	1410		ug/Kg	☼	88	60 - 110
1,4-Dichlorobenzene	<200		1610	1420		ug/Kg	☼	88	61 - 110
2,2'-oxybis[1-chloropropane]	<200		1610	1460		ug/Kg	☼	90	40 - 124
2,4,5-Trichlorophenol	<400		1610	1710		ug/Kg	☼	106	50 - 120
2,4,6-Trichlorophenol	<400		1610	1680		ug/Kg	☼	104	57 - 120
2,4-Dichlorophenol	<400		1610	1710		ug/Kg	☼	106	58 - 120
2,4-Dimethylphenol	<400		1610	1580		ug/Kg	☼	98	60 - 110
2,4-Dinitrophenol	<810	F1	3220	2410		ug/Kg	☼	75	10 - 100
2,4-Dinitrotoluene	<200		1610	1800		ug/Kg	☼	112	62 - 117
2,6-Dinitrotoluene	<200		1610	1710		ug/Kg	☼	106	67 - 120
2-Chloronaphthalene	<200		1610	1610		ug/Kg	☼	100	64 - 110
2-Chlorophenol	<200		1610	1560		ug/Kg	☼	97	64 - 110
2-Methylnaphthalene	<81		1610	1560		ug/Kg	☼	97	62 - 110
2-Methylphenol	<200		1610	1450		ug/Kg	☼	90	60 - 120
2-Nitroaniline	<200		1610	1790		ug/Kg	☼	111	57 - 124
2-Nitrophenol	<400		1610	1720		ug/Kg	☼	107	60 - 120
3 & 4 Methylphenol	<200		1610	1490		ug/Kg	☼	92	57 - 120
3,3'-Dichlorobenzidine	<200		1610	1570		ug/Kg	☼	98	49 - 112
3-Nitroaniline	<400		1610	1550		ug/Kg	☼	96	40 - 122
4,6-Dinitro-2-methylphenol	<810	F2	3220	2930		ug/Kg	☼	91	10 - 110
4-Bromophenyl phenyl ether	<200		1610	1700		ug/Kg	☼	106	63 - 110
4-Chloro-3-methylphenol	<400		1610	1620		ug/Kg	☼	100	61 - 114
4-Chloroaniline	<810		1610	1430		ug/Kg	☼	89	30 - 150
4-Chlorophenyl phenyl ether	<200		1610	1620		ug/Kg	☼	101	63 - 110
4-Nitroaniline	<400		1610	1720		ug/Kg	☼	107	60 - 160
4-Nitrophenol	<810		3220	2020		ug/Kg	☼	63	30 - 122
Acenaphthene	<40		1610	1480		ug/Kg	☼	92	58 - 110
Acenaphthylene	<40		1610	1550		ug/Kg	☼	96	60 - 110
Anthracene	<40		1610	1750		ug/Kg	☼	109	63 - 110
Benzo[a]anthracene	<40		1610	1740		ug/Kg	☼	108	63 - 110
Benzo[a]pyrene	<40		1610	1830		ug/Kg	☼	114	61 - 120
Benzo[b]fluoranthene	<40		1610	1570		ug/Kg	☼	98	62 - 120
Benzo[g,h,i]perylene	<40		1610	1660		ug/Kg	☼	103	64 - 120
Benzo[k]fluoranthene	<40		1610	1860		ug/Kg	☼	116	65 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-133400-1 MS
Matrix: Solid
Analysis Batch: 400538

Client Sample ID: B-2(0-4)083117
Prep Type: Total/NA
Prep Batch: 400306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	<200		1610	1570		ug/Kg	☼	97	60 - 112
Bis(2-chloroethyl)ether	<200		1610	1490		ug/Kg	☼	93	55 - 111
Bis(2-ethylhexyl) phthalate	<200	F1	1610	2070	F1	ug/Kg	☼	128	63 - 118
Butyl benzyl phthalate	<200	F1	1610	2060	F1	ug/Kg	☼	128	61 - 116
Carbazole	<200		1610	1690		ug/Kg	☼	105	59 - 158
Chrysene	<40		1610	1930		ug/Kg	☼	120	63 - 120
Dibenz(a,h)anthracene	<40		1610	1620		ug/Kg	☼	101	64 - 119
Dibenzofuran	<200		1610	1630		ug/Kg	☼	101	64 - 110
Diethyl phthalate	<200		1610	1760		ug/Kg	☼	109	58 - 120
Dimethyl phthalate	<200		1610	1650		ug/Kg	☼	102	64 - 110
Di-n-butyl phthalate	<200		1610	1710		ug/Kg	☼	106	65 - 120
Di-n-octyl phthalate	<200		1610	1690		ug/Kg	☼	105	63 - 119
Fluoranthene	<40		1610	1610		ug/Kg	☼	100	62 - 120
Fluorene	<40		1610	1640		ug/Kg	☼	102	62 - 120
Hexachlorobenzene	<81		1610	1580		ug/Kg	☼	98	55 - 117
Hexachlorobutadiene	<200		1610	1400		ug/Kg	☼	87	56 - 120
Hexachlorocyclopentadiene	<810	F1	1610	<810	F1	ug/Kg	☼	0	10 - 106
Hexachloroethane	<200		1610	1530		ug/Kg	☼	95	61 - 110
Indeno[1,2,3-cd]pyrene	<40		1610	1680		ug/Kg	☼	104	57 - 127
Isophorone	<200		1610	1440		ug/Kg	☼	89	55 - 110
Naphthalene	<40		1610	1520		ug/Kg	☼	94	63 - 110
Nitrobenzene	<40		1610	1670		ug/Kg	☼	104	60 - 116
N-Nitrosodi-n-propylamine	<81		1610	1560		ug/Kg	☼	97	56 - 118
N-Nitrosodiphenylamine	<200	F1	1610	1980	F1	ug/Kg	☼	123	65 - 112
Pentachlorophenol	<810		3220	1100		ug/Kg	☼	34	13 - 112
Phenanthrene	<40		1610	1680		ug/Kg	☼	104	62 - 120
Phenol	<200		1610	1640		ug/Kg	☼	102	56 - 122
Pyrene	<40	F1	1610	1970	F1	ug/Kg	☼	123	63 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*90*		*25 - 139*
2-Fluorobiphenyl	*98*		*44 - 121*
2-Fluorophenol	*102*		*46 - 133*
Nitrobenzene-d5	*96*		*41 - 120*
Phenol-d5	*99*		*46 - 125*
Terphenyl-d14	*110*		*35 - 160*

Lab Sample ID: 500-133400-1 MSD
Matrix: Solid
Analysis Batch: 400538

Client Sample ID: B-2(0-4)083117
Prep Type: Total/NA
Prep Batch: 400306

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	<200		1610	1260		ug/Kg	☼	78	62 - 110	21	30
1,2-Dichlorobenzene	<200		1610	1110		ug/Kg	☼	69	62 - 110	25	30
1,3-Dichlorobenzene	<200		1610	1110		ug/Kg	☼	69	60 - 110	24	30
1,4-Dichlorobenzene	<200		1610	1120		ug/Kg	☼	70	61 - 110	23	30
2,2'-oxybis[1-chloropropane]	<200		1610	1110		ug/Kg	☼	69	40 - 124	27	30
2,4,5-Trichlorophenol	<400		1610	1490		ug/Kg	☼	92	50 - 120	14	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-133400-1 MSD
Matrix: Solid
Analysis Batch: 400538

Client Sample ID: B-2(0-4)083117
Prep Type: Total/NA
Prep Batch: 400306

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	<400		1610	1400		ug/Kg	☼	87	57 - 120	18	30
2,4-Dichlorophenol	<400		1610	1450		ug/Kg	☼	90	58 - 120	16	30
2,4-Dimethylphenol	<400		1610	1330		ug/Kg	☼	82	60 - 110	17	30
2,4-Dinitrophenol	<810	F1	3220	<810	F1	ug/Kg	☼	0	10 - 100	NC	30
2,4-Dinitrotoluene	<200		1610	1570		ug/Kg	☼	97	62 - 117	14	30
2,6-Dinitrotoluene	<200		1610	1480		ug/Kg	☼	92	67 - 120	14	30
2-Chloronaphthalene	<200		1610	1340		ug/Kg	☼	83	64 - 110	19	30
2-Chlorophenol	<200		1610	1290		ug/Kg	☼	80	64 - 110	19	30
2-Methylnaphthalene	<81		1610	1340		ug/Kg	☼	83	62 - 110	15	30
2-Methylphenol	<200		1610	1240		ug/Kg	☼	77	60 - 120	16	30
2-Nitroaniline	<200		1610	1640		ug/Kg	☼	102	57 - 124	9	30
2-Nitrophenol	<400		1610	1420		ug/Kg	☼	88	60 - 120	20	30
3 & 4 Methylphenol	<200		1610	1260		ug/Kg	☼	78	57 - 120	17	30
3,3'-Dichlorobenzidine	<200		1610	1520		ug/Kg	☼	94	49 - 112	3	30
3-Nitroaniline	<400		1610	1470		ug/Kg	☼	91	40 - 122	6	30
4,6-Dinitro-2-methylphenol	<810	F2	3220	970	F2	ug/Kg	☼	30	10 - 110	101	30
4-Bromophenyl phenyl ether	<200		1610	1360		ug/Kg	☼	84	63 - 110	22	30
4-Chloro-3-methylphenol	<400		1610	1450		ug/Kg	☼	90	61 - 114	11	30
4-Chloroaniline	<810		1610	1310		ug/Kg	☼	82	30 - 150	8	30
4-Chlorophenyl phenyl ether	<200		1610	1380		ug/Kg	☼	86	63 - 110	16	30
4-Nitroaniline	<400		1610	1620		ug/Kg	☼	100	60 - 160	6	30
4-Nitrophenol	<810		3220	1580		ug/Kg	☼	49	30 - 122	24	30
Acenaphthene	<40		1610	1290		ug/Kg	☼	80	58 - 110	14	30
Acenaphthylene	<40		1610	1360		ug/Kg	☼	85	60 - 110	13	30
Anthracene	<40		1610	1560		ug/Kg	☼	97	63 - 110	12	30
Benzo[a]anthracene	<40		1610	1590		ug/Kg	☼	99	63 - 110	9	30
Benzo[a]pyrene	<40		1610	1630		ug/Kg	☼	101	61 - 120	11	30
Benzo[b]fluoranthene	<40		1610	1270		ug/Kg	☼	79	62 - 120	21	30
Benzo[g,h,i]perylene	<40		1610	1450		ug/Kg	☼	90	64 - 120	14	30
Benzo[k]fluoranthene	<40		1610	1760		ug/Kg	☼	110	65 - 120	5	30
Bis(2-chloroethoxy)methane	<200		1610	1260		ug/Kg	☼	78	60 - 112	22	30
Bis(2-chloroethyl)ether	<200		1610	1580		ug/Kg	☼	98	55 - 111	6	30
Bis(2-ethylhexyl) phthalate	<200	F1	1610	1810		ug/Kg	☼	113	63 - 118	13	30
Butyl benzyl phthalate	<200	F1	1610	1820		ug/Kg	☼	113	61 - 116	12	30
Carbazole	<200		1610	1520		ug/Kg	☼	95	59 - 158	11	30
Chrysene	<40		1610	1630		ug/Kg	☼	101	63 - 120	17	30
Dibenz(a,h)anthracene	<40		1610	1460		ug/Kg	☼	91	64 - 119	11	30
Dibenzofuran	<200		1610	1420		ug/Kg	☼	88	64 - 110	14	30
Diethyl phthalate	<200		1610	1580		ug/Kg	☼	98	58 - 120	11	30
Dimethyl phthalate	<200		1610	1440		ug/Kg	☼	89	64 - 110	13	30
Di-n-butyl phthalate	<200		1610	1570		ug/Kg	☼	97	65 - 120	9	30
Di-n-octyl phthalate	<200		1610	1420		ug/Kg	☼	88	63 - 119	17	30
Fluoranthene	<40		1610	1460		ug/Kg	☼	90	62 - 120	10	30
Fluorene	<40		1610	1440		ug/Kg	☼	89	62 - 120	13	30
Hexachlorobenzene	<81		1610	1280		ug/Kg	☼	80	55 - 117	21	30
Hexachlorobutadiene	<200		1610	1170		ug/Kg	☼	73	56 - 120	18	30
Hexachlorocyclopentadiene	<810	F1	1610	<810	F1	ug/Kg	☼	0	10 - 106	NC	30
Hexachloroethane	<200		1610	1220		ug/Kg	☼	76	61 - 110	23	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-133400-1 MSD
Matrix: Solid
Analysis Batch: 400538

Client Sample ID: B-2(0-4)083117
Prep Type: Total/NA
Prep Batch: 400306

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Indeno[1,2,3-cd]pyrene	<40		1610	1510		ug/Kg	☼	94	57 - 127	11	30
Isophorone	<200		1610	1160		ug/Kg	☼	72	55 - 110	21	30
Naphthalene	<40		1610	1220		ug/Kg	☼	76	63 - 110	22	30
Nitrobenzene	<40		1610	1370		ug/Kg	☼	85	60 - 116	19	30
N-Nitrosodi-n-propylamine	<81		1610	1310		ug/Kg	☼	81	56 - 118	18	30
N-Nitrosodiphenylamine	<200	F1	1610	1580		ug/Kg	☼	98	65 - 112	23	30
Pentachlorophenol	<810		3220	1090		ug/Kg	☼	34	13 - 112	1	30
Phenanthrene	<40		1610	1490		ug/Kg	☼	93	62 - 120	12	30
Phenol	<200		1610	1340		ug/Kg	☼	83	56 - 122	20	30
Pyrene	<40	F1	1610	1800		ug/Kg	☼	112	63 - 120	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*77*		*25 - 139*
2-Fluorobiphenyl	*83*		*44 - 121*
2-Fluorophenol	*78*		*46 - 133*
Nitrobenzene-d5	*80*		*41 - 120*
Phenol-d5	*93*		*46 - 125*
Terphenyl-d14	*102*		*35 - 160*

Method: 6010B - Metals (ICP)

Lab Sample ID: LCS 500-400078/2-A
Matrix: Solid
Analysis Batch: 400337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.0909		mg/L		91	80 - 120
Barium	0.500	0.515		mg/L		103	80 - 120
Beryllium	0.0500	0.0490		mg/L		98	80 - 120
Cadmium	0.0500	0.0499		mg/L		100	80 - 120
Chromium	0.200	0.192		mg/L		96	80 - 120
Cobalt	0.500	0.490		mg/L		98	80 - 120
Copper	0.250	0.261		mg/L		104	80 - 120
Iron	1.00	1.06		mg/L		106	80 - 120
Lead	0.100	0.0920		mg/L		92	80 - 120
Manganese	0.500	0.488		mg/L		98	80 - 120
Nickel	0.500	0.492		mg/L		98	80 - 120
Selenium	0.100	0.0909		mg/L		91	80 - 120
Silver	0.0500	0.0483		mg/L		97	80 - 120
Zinc	0.500	0.467	J	mg/L		93	80 - 120

Lab Sample ID: LCS 500-400142/2-A
Matrix: Solid
Analysis Batch: 400344

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.0994		mg/L		99	80 - 120
Barium	0.500	0.521		mg/L		104	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 500-400142/2-A
Matrix: Solid
Analysis Batch: 400344

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.0500	0.0495		mg/L		99	80 - 120
Cadmium	0.0500	0.0506		mg/L		101	80 - 120
Chromium	0.200	0.198		mg/L		99	80 - 120
Cobalt	0.500	0.497		mg/L		99	80 - 120
Copper	0.250	0.258		mg/L		103	80 - 120
Iron	1.00	1.12		mg/L		112	80 - 120
Lead	0.100	0.0921		mg/L		92	80 - 120
Manganese	0.500	0.489		mg/L		98	80 - 120
Nickel	0.500	0.493		mg/L		99	80 - 120
Selenium	0.100	0.0939		mg/L		94	80 - 120
Silver	0.0500	0.0479		mg/L		96	80 - 120
Zinc	0.500	0.480	J	mg/L		96	80 - 120

Lab Sample ID: LB 500-400031/1-B
Matrix: Solid
Analysis Batch: 400337

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 400078

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/05/17 23:46	1
Barium	<0.50		0.50	0.050	mg/L		09/02/17 10:36	09/05/17 23:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/17 10:36	09/05/17 23:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/05/17 23:46	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:46	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:46	1
Copper	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:46	1
Iron	<0.40		0.40	0.20	mg/L		09/02/17 10:36	09/05/17 23:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/17 10:36	09/05/17 23:46	1
Manganese	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:46	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:46	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/05/17 23:46	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:46	1
Zinc	0.0458	J	0.50	0.020	mg/L		09/02/17 10:36	09/05/17 23:46	1

Lab Sample ID: 500-133400-16 MS
Matrix: Solid
Analysis Batch: 400337

Client Sample ID: B-1(4-7)083117D
Prep Type: TCLP
Prep Batch: 400078

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<0.050		0.100	0.107		mg/L		107	50 - 150
Barium	0.23	J	0.500	0.744		mg/L		104	50 - 150
Beryllium	<0.0040		0.0500	0.0498		mg/L		100	50 - 150
Cadmium	<0.0050		0.0500	0.0565		mg/L		113	50 - 150
Chromium	<0.025		0.200	0.181		mg/L		91	50 - 150
Cobalt	<0.025		0.500	0.516		mg/L		103	50 - 150
Copper	0.011	J	0.250	0.290		mg/L		111	50 - 150
Iron	<0.40		1.00	0.886		mg/L		89	50 - 150
Lead	<0.0075		0.100	0.0977		mg/L		98	50 - 150
Manganese	1.7		0.500	2.18		mg/L		102	50 - 150
Nickel	0.011	J	0.500	0.515		mg/L		101	50 - 150

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 500-133400-16 MS
Matrix: Solid
Analysis Batch: 400337

Client Sample ID: B-1(4-7)083117D
Prep Type: TCLP
Prep Batch: 400078

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	<0.050		0.100	0.107		mg/L		107	50 - 150
Silver	<0.025		0.0500	0.0573		mg/L		115	50 - 150
Zinc	<0.50		0.500	0.505		mg/L		101	50 - 150

Lab Sample ID: 500-133400-16 DU
Matrix: Solid
Analysis Batch: 400337

Client Sample ID: B-1(4-7)083117D
Prep Type: TCLP
Prep Batch: 400078

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.050		<0.050		mg/L		NC	20
Barium	0.23	J	0.227	J	mg/L		0.3	20
Beryllium	<0.0040		<0.0040		mg/L		NC	20
Cadmium	<0.0050		<0.0050		mg/L		NC	20
Chromium	<0.025		<0.025		mg/L		NC	20
Cobalt	<0.025		<0.025		mg/L		NC	20
Copper	0.011	J	<0.025		mg/L		NC	20
Iron	<0.40		<0.40		mg/L		NC	20
Lead	<0.0075		<0.0075		mg/L		NC	20
Manganese	1.7		1.67		mg/L		0.3	20
Nickel	0.011	J	0.0112	J	mg/L		4	20
Selenium	<0.050		<0.050		mg/L		NC	20
Silver	<0.025		<0.025		mg/L		NC	20
Zinc	<0.50		<0.50		mg/L		NC	20

Lab Sample ID: LB 500-400033/1-B
Matrix: Solid
Analysis Batch: 400344

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 400142

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/05/17 07:32	09/05/17 23:17	1
Barium	<0.50		0.50	0.050	mg/L		09/05/17 07:32	09/05/17 23:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/17 07:32	09/05/17 23:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/17 07:32	09/05/17 23:17	1
Chromium	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:17	1
Cobalt	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:17	1
Copper	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:17	1
Iron	<0.40		0.40	0.20	mg/L		09/05/17 07:32	09/05/17 23:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/17 07:32	09/05/17 23:17	1
Manganese	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:17	1
Nickel	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:17	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/17 07:32	09/05/17 23:17	1
Silver	<0.025		0.025	0.010	mg/L		09/05/17 07:32	09/05/17 23:17	1
Zinc	<0.50		0.50	0.020	mg/L		09/05/17 07:32	09/05/17 23:17	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 500-133400-16 MS
Matrix: Solid
Analysis Batch: 400344

Client Sample ID: B-1(4-7)083117D
Prep Type: SPLP East
Prep Batch: 400142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<0.050		0.100	0.101		mg/L		101	50 - 150
Barium	<0.50		0.500	0.522		mg/L		104	50 - 150
Beryllium	<0.0040		0.0500	0.0522		mg/L		104	50 - 150
Cadmium	<0.0050		0.0500	0.0530		mg/L		106	50 - 150
Chromium	<0.025		0.200	0.200		mg/L		100	50 - 150
Cobalt	<0.025		0.500	0.522		mg/L		104	50 - 150
Copper	0.016	J	0.250	0.269		mg/L		101	50 - 150
Iron	2.1	F1	1.00	1.88	F1	mg/L		-22	50 - 150
Lead	<0.0075		0.100	0.0986		mg/L		99	50 - 150
Manganese	0.017	J	0.500	0.503		mg/L		97	50 - 150
Nickel	<0.025		0.500	0.514		mg/L		103	50 - 150
Selenium	<0.050		0.100	0.101		mg/L		101	50 - 150
Silver	<0.025		0.0500	0.0517		mg/L		103	50 - 150
Zinc	<0.50		0.500	0.538		mg/L		108	50 - 150

Lab Sample ID: 500-133400-16 DU
Matrix: Solid
Analysis Batch: 400344

Client Sample ID: B-1(4-7)083117D
Prep Type: SPLP East
Prep Batch: 400142

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.050		<0.050		mg/L		NC	20
Barium	<0.50		<0.50		mg/L		NC	20
Beryllium	<0.0040		<0.0040		mg/L		NC	20
Cadmium	<0.0050		<0.0050		mg/L		NC	20
Chromium	<0.025		<0.025		mg/L		NC	20
Cobalt	<0.025		<0.025		mg/L		NC	20
Copper	0.016	J	<0.025		mg/L		NC	20
Iron	2.1	F1	2.11		mg/L		0.1	20
Lead	<0.0075		<0.0075		mg/L		NC	20
Manganese	0.017	J	0.0178	J	mg/L		3	20
Nickel	<0.025		<0.025		mg/L		NC	20
Selenium	<0.050		<0.050		mg/L		NC	20
Silver	<0.025		<0.025		mg/L		NC	20
Zinc	<0.50		0.162	J	mg/L		NC	20

Method: 6010B - Total Metals

Lab Sample ID: MB 500-400060/1-A
Matrix: Solid
Analysis Batch: 400180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400060

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.543	J	2.0	0.39	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Arsenic	<1.0		1.0	0.34	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Barium	<1.0		1.0	0.11	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Beryllium	<0.40		0.40	0.093	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Cadmium	0.0804	J	0.20	0.036	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Calcium	12.5	J	20	3.4	mg/Kg		09/01/17 16:31	09/02/17 23:28	1

Method: 6010B - Total Metals (Continued)

Lab Sample ID: MB 500-400060/1-A
Matrix: Solid
Analysis Batch: 400180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400060

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<1.0		1.0	0.50	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Cobalt	<0.50		0.50	0.13	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Copper	<1.0		1.0	0.28	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Lead	<0.50		0.50	0.23	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Magnesium	8.60	J	10	5.0	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Manganese	0.273	J	1.0	0.15	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Nickel	0.610	J	1.0	0.29	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Potassium	<50		50	18	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Selenium	<1.0		1.0	0.59	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Silver	<0.50		0.50	0.13	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Sodium	<100		100	15	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Thallium	<1.0		1.0	0.50	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Vanadium	<0.50		0.50	0.12	mg/Kg		09/01/17 16:31	09/02/17 23:28	1
Zinc	3.19		2.0	0.88	mg/Kg		09/01/17 16:31	09/02/17 23:28	1

Lab Sample ID: MB 500-400060/1-A
Matrix: Solid
Analysis Batch: 400343

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400060

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	19.2	J	20	10	mg/Kg		09/01/17 16:31	09/05/17 15:28	1

Lab Sample ID: LCS 500-400060/2-A
Matrix: Solid
Analysis Batch: 400180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400060

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	50.4		mg/Kg		101	80 - 120
Arsenic	10.0	8.86		mg/Kg		89	80 - 120
Barium	200	193		mg/Kg		96	80 - 120
Beryllium	5.00	4.62		mg/Kg		92	80 - 120
Cadmium	5.00	4.62		mg/Kg		92	80 - 120
Calcium	1000	952		mg/Kg		95	80 - 120
Chromium	20.0	18.7		mg/Kg		93	80 - 120
Cobalt	50.0	46.6		mg/Kg		93	80 - 120
Copper	25.0	24.3		mg/Kg		97	80 - 120
Lead	10.0	9.02		mg/Kg		90	80 - 120
Magnesium	1000	906		mg/Kg		91	80 - 120
Manganese	50.0	46.2		mg/Kg		92	80 - 120
Nickel	50.0	46.6		mg/Kg		93	80 - 120
Potassium	1000	967		mg/Kg		97	80 - 120
Selenium	10.0	8.35		mg/Kg		84	80 - 120
Silver	5.00	4.54		mg/Kg		91	80 - 120
Sodium	1000	998		mg/Kg		100	80 - 120
Thallium	10.0	8.59		mg/Kg		86	80 - 120
Vanadium	50.0	47.6		mg/Kg		95	80 - 120
Zinc	50.0	45.3		mg/Kg		91	80 - 120

Method: 6010B - Total Metals (Continued)

Lab Sample ID: LCS 500-400060/2-A
Matrix: Solid
Analysis Batch: 400343

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400060

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	100	113		mg/Kg		113	80 - 120

Lab Sample ID: 500-133400-1 MS
Matrix: Solid
Analysis Batch: 400180

Client Sample ID: B-2(0-4)083117
Prep Type: Total/NA
Prep Batch: 400060

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<1.2	F1	29.8	7.54	F1	mg/Kg	☼	25	75 - 125
Arsenic	9.9	F1	5.95	15.4		mg/Kg	☼	92	75 - 125
Barium	70	F1	119	156	F1	mg/Kg	☼	72	75 - 125
Beryllium	0.78	F1	2.98	3.06		mg/Kg	☼	76	75 - 125
Cadmium	0.13	F1 B	2.98	2.17	F1 B	mg/Kg	☼	68	75 - 125
Calcium	740	F2 F1 B	595	1250	B	mg/Kg	☼	84	75 - 125
Chromium	19		11.9	29.9		mg/Kg	☼	96	75 - 125
Cobalt	14		29.8	42.7		mg/Kg	☼	95	75 - 125
Copper	27	F1	14.9	37.6	F1	mg/Kg	☼	72	75 - 125
Iron	24000	B	59.5	25400	4 B	mg/Kg	☼	2219	75 - 125
Lead	19		5.95	24.9		mg/Kg	☼	95	75 - 125
Magnesium	3500	F2 B	595	4440	4 B	mg/Kg	☼	152	75 - 125
Manganese	420	B	29.8	425	4 B	mg/Kg	☼	12	75 - 125
Nickel	39	B	29.8	67.4	B	mg/Kg	☼	97	75 - 125
Potassium	2000	F1	595	3700	F1	mg/Kg	☼	286	75 - 125
Selenium	<0.59	F1	5.95	3.70	F1	mg/Kg	☼	62	75 - 125
Silver	<0.30	F1	2.98	1.99	F1	mg/Kg	☼	67	75 - 125
Sodium	1800	B	595	2290	B	mg/Kg	☼	83	75 - 125
Thallium	<0.59		5.95	4.93		mg/Kg	☼	83	75 - 125
Vanadium	25		29.8	53.4		mg/Kg	☼	96	75 - 125
Zinc	86	F1 B	29.8	113	B	mg/Kg	☼	92	75 - 125

Lab Sample ID: 500-133400-1 MSD
Matrix: Solid
Analysis Batch: 400180

Client Sample ID: B-2(0-4)083117
Prep Type: Total/NA
Prep Batch: 400060

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<1.2	F1	28.4	7.41	F1	mg/Kg	☼	26	75 - 125	2	20
Arsenic	9.9	F1	5.68	14.1	F1	mg/Kg	☼	73	75 - 125	9	20
Barium	70	F1	114	161		mg/Kg	☼	80	75 - 125	3	20
Beryllium	0.78	F1	2.84	2.89	F1	mg/Kg	☼	74	75 - 125	6	20
Cadmium	0.13	F1 B	2.84	2.08	F1 B	mg/Kg	☼	69	75 - 125	4	20
Calcium	740	F2 F1 B	568	3630	F1 F2 B	mg/Kg	☼	508	75 - 125	98	20
Chromium	19		11.4	28.1		mg/Kg	☼	85	75 - 125	6	20
Cobalt	14		28.4	40.9		mg/Kg	☼	93	75 - 125	4	20
Copper	27	F1	14.2	41.2		mg/Kg	☼	100	75 - 125	9	20
Iron	24000	B	56.8	24000	4 B	mg/Kg	☼	-185	75 - 125	6	20
Lead	19		5.68	26.1		mg/Kg	☼	122	75 - 125	5	20
Magnesium	3500	F2 B	568	5640	4 F2 B	mg/Kg	☼	371	75 - 125	24	20
Manganese	420	B	28.4	384	4 B	mg/Kg	☼	-132	75 - 125	10	20
Nickel	39	B	28.4	64.4	B	mg/Kg	☼	91	75 - 125	5	20

Method: 6010B - Total Metals (Continued)

Lab Sample ID: 500-133400-1 MSD
Matrix: Solid
Analysis Batch: 400180

Client Sample ID: B-2(0-4)083117
Prep Type: Total/NA
Prep Batch: 400060

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Potassium	2000	F1	568	3420	F1	mg/Kg	☼	252	75 - 125	8	20
Selenium	<0.59	F1	5.68	3.36	F1	mg/Kg	☼	59	75 - 125	10	20
Silver	<0.30	F1	2.84	1.90	F1	mg/Kg	☼	67	75 - 125	5	20
Sodium	1800	B	568	2220	B	mg/Kg	☼	76	75 - 125	3	20
Thallium	<0.59		5.68	4.66		mg/Kg	☼	82	75 - 125	6	20
Vanadium	25		28.4	49.5		mg/Kg	☼	87	75 - 125	8	20
Zinc	86	F1 B	28.4	104	F1 B	mg/Kg	☼	63	75 - 125	9	20

Lab Sample ID: 500-133400-1 DU
Matrix: Solid
Analysis Batch: 400180

Client Sample ID: B-2(0-4)083117
Prep Type: Total/NA
Prep Batch: 400060

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Antimony	<1.2	F1	<1.2		mg/Kg	☼			NC	20
Arsenic	9.9	F1	10.9		mg/Kg	☼			9	20
Barium	70	F1	85.2		mg/Kg	☼			19	20
Beryllium	0.78	F1	0.801		mg/Kg	☼			2	20
Cadmium	0.13	F1 B	0.140	B	mg/Kg	☼			4	20
Calcium	740	F2 F1 B	926	F3 B	mg/Kg	☼			22	20
Chromium	19		19.6		mg/Kg	☼			6	20
Cobalt	14		14.8		mg/Kg	☼			3	20
Copper	27	F1	28.8		mg/Kg	☼			7	20
Iron	24000	B	25400	B	mg/Kg	☼			5	20
Lead	19		20.0		mg/Kg	☼			4	20
Magnesium	3500	F2 B	3920	B	mg/Kg	☼			10	20
Manganese	420	B	407	B	mg/Kg	☼			4	20
Nickel	39	B	41.5	B	mg/Kg	☼			7	20
Potassium	2000	F1	2220		mg/Kg	☼			11	20
Selenium	<0.59	F1	<0.59		mg/Kg	☼			NC	20
Silver	<0.30	F1	<0.30		mg/Kg	☼			NC	20
Sodium	1800	B	1790	B	mg/Kg	☼			0.1	20
Thallium	<0.59		<0.59		mg/Kg	☼			NC	20
Vanadium	25		26.3		mg/Kg	☼			6	20
Zinc	86	F1 B	81.4	B	mg/Kg	☼			5	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-400215/12-A
Matrix: Solid
Analysis Batch: 400389

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:37	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 500-400215/13-A
Matrix: Solid
Analysis Batch: 400389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	1.70		ug/L		85	80 - 120

Lab Sample ID: MB 500-400216/12-A
Matrix: Solid
Analysis Batch: 400389

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400216

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:18	1

Lab Sample ID: LCS 500-400216/13-A
Matrix: Solid
Analysis Batch: 400389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400216

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	1.64		ug/L		82	80 - 120

Lab Sample ID: LB 500-400031/1-C
Matrix: Solid
Analysis Batch: 400389

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 400215

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:44	1

Lab Sample ID: 500-133400-16 MS
Matrix: Solid
Analysis Batch: 400389

Client Sample ID: B-1(4-7)083117D
Prep Type: TCLP
Prep Batch: 400215

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.20		1.00	1.07		ug/L		107	50 - 150

Lab Sample ID: 500-133400-16 DU
Matrix: Solid
Analysis Batch: 400389

Client Sample ID: B-1(4-7)083117D
Prep Type: TCLP
Prep Batch: 400215

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.20		<0.20		ug/L		NC	20

Lab Sample ID: LB 500-400033/1-C
Matrix: Solid
Analysis Batch: 400389

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 400216

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:21	1

Lab Sample ID: 500-133400-9 MS
Matrix: Solid
Analysis Batch: 400389

Client Sample ID: B-6(0-4)083117
Prep Type: SPLP East
Prep Batch: 400216

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.20		1.00	0.839		ug/L		84	50 - 150

Lab Sample ID: 500-133400-9 DU
Matrix: Solid
Analysis Batch: 400389

Client Sample ID: B-6(0-4)083117
Prep Type: SPLP East
Prep Batch: 400216

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.20		<0.20		ug/L		NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-400044/12-A
Matrix: Solid
Analysis Batch: 400263

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400044

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	7.93	J	17	5.6	ug/Kg		09/01/17 15:50	09/05/17 11:21	1

Lab Sample ID: LCS 500-400044/13-A
Matrix: Solid
Analysis Batch: 400263

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	167	176		ug/Kg		105	80 - 120

Lab Sample ID: 500-133400-1 MS
Matrix: Solid
Analysis Batch: 400263

Client Sample ID: B-2(0-4)083117
Prep Type: Total/NA
Prep Batch: 400044

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	39	B	95.9	125		ug/Kg	☼	90	75 - 125

Lab Sample ID: 500-133400-1 MSD
Matrix: Solid
Analysis Batch: 400263

Client Sample ID: B-2(0-4)083117
Prep Type: Total/NA
Prep Batch: 400044

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	39	B	93.0	119		ug/Kg	☼	86	75 - 125	5	20

Lab Sample ID: 500-133400-1 DU
Matrix: Solid
Analysis Batch: 400263

Client Sample ID: B-2(0-4)083117
Prep Type: Total/NA
Prep Batch: 400044

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	39	B	37.1		ug/Kg	☼	4	20

Method: 9014 - Cyanide

Lab Sample ID: MB 500-400208/8-A
Matrix: Solid
Analysis Batch: 400286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.50		0.50	0.17	mg/Kg		09/05/17 12:44	09/05/17 16:03	1

Method: 9014 - Cyanide (Continued)

Lab Sample ID: LCS 500-400208/9-A
Matrix: Solid
Analysis Batch: 400286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	5.00	4.80		mg/Kg		96	80 - 120

Lab Sample ID: MB 500-400687/1-A
Matrix: Solid
Analysis Batch: 400803

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.50		0.50	0.17	mg/Kg		09/08/17 11:40	09/09/17 15:05	1

Lab Sample ID: LCS 500-400687/2-A
Matrix: Solid
Analysis Batch: 400803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	5.00	4.97		mg/Kg		99	80 - 120

Lab Sample ID: 500-133400-12 MS
Matrix: Solid
Analysis Batch: 400803

Client Sample ID: B-8(4-7)083117
Prep Type: Total/NA
Prep Batch: 400687

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	<0.53		2.13	2.22		mg/Kg	☼	104	75 - 125

Lab Sample ID: 500-133400-12 MSD
Matrix: Solid
Analysis Batch: 400803

Client Sample ID: B-8(4-7)083117
Prep Type: Total/NA
Prep Batch: 400687

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	<0.53		2.13	2.17		mg/Kg	☼	102	75 - 125	2	20

Method: 9045D - pH

Lab Sample ID: 500-133400-3 DU
Matrix: Solid
Analysis Batch: 400408

Client Sample ID: B-2(4-8)083117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.9		7.96		SU		0.5	

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 500-400518/1-A
Matrix: Solid
Analysis Batch: 400161

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0	1.7	mg/Kg		09/07/17 10:45	09/07/17 12:00	1
Fluoride	<2.0		2.0	0.67	mg/Kg		09/07/17 10:45	09/07/17 12:00	1
Sulfate	0.985	J	2.0	0.95	mg/Kg		09/07/17 10:45	09/07/17 12:00	1

Lab Sample ID: MB 500-400518/1-A
Matrix: Solid
Analysis Batch: 400793

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0	1.7	mg/Kg		09/07/17 10:45	09/09/17 03:13	1
Sulfate	<2.0		2.0	0.95	mg/Kg		09/07/17 10:45	09/09/17 03:13	1

Lab Sample ID: LCS 500-400518/2-A
Matrix: Solid
Analysis Batch: 400161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	30.0	27.7		mg/Kg		92	80 - 120
Fluoride	10.0	9.15		mg/Kg		92	80 - 120
Sulfate	50.0	49.3		mg/Kg		99	80 - 120

Lab Sample ID: LCS 500-400518/2-A
Matrix: Solid
Analysis Batch: 400793

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	30.0	29.2		mg/Kg		97	80 - 120
Sulfate	50.0	51.3		mg/Kg		103	80 - 120

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-2(0-4)083117

Lab Sample ID: 500-133400-1

Date Collected: 08/31/17 08:30

Matrix: Solid

Date Received: 08/31/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/05/17 23:29	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/05/17 23:55	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:23	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 10:45	MJD	TAL CHI
Total/NA	Analysis	9045D		1	401125		SMO	TAL CHI
					(Start)	09/12/17 15:24		
					(End)	09/12/17 15:27		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-2(0-4)083117

Lab Sample ID: 500-133400-1

Date Collected: 08/31/17 08:30

Matrix: Solid

Date Received: 08/31/17 13:40

Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 15:16	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 15:01	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/02/17 23:36	KML	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:24	MJD	TAL CHI
Total/NA	Prep	9010C			400208	09/05/17 12:44	MAN	TAL CHI
Total/NA	Analysis	9014		1	400286		MAN	TAL CHI
					(Start)	09/05/17 16:07		
					(End)	09/05/17 16:07		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 13:16	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		50	400161	09/08/17 01:43	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-2(0-4)083117D

Date Collected: 08/31/17 08:30
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/05/17 23:33	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/05/17 23:59	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:24	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 10:47	MJD	TAL CHI
Total/NA	Analysis	9045D		1	401125		SMO	TAL CHI
					(Start)	09/12/17 15:27		
					(End)	09/12/17 15:30		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-2(0-4)083117D

Date Collected: 08/31/17 08:30
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-2

Matrix: Solid
Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 15:41	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 15:54	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/02/17 23:56	KML	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:31	MJD	TAL CHI
Total/NA	Prep	9010C			400208	09/05/17 12:44	MAN	TAL CHI
Total/NA	Analysis	9014		1	400286		MAN	TAL CHI
					(Start)	09/05/17 16:08		
					(End)	09/05/17 16:08		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 13:28	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		50	400161	09/08/17 01:56	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-2(4-8)083117

Date Collected: 08/31/17 08:40
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/05/17 23:37	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 00:03	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:26	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 10:48	MJD	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 15:24		
					(End)	09/06/17 15:27		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-2(4-8)083117

Date Collected: 08/31/17 08:40
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-3

Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 16:06	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 16:21	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/03/17 00:00	KML	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		10	400343	09/05/17 16:46	PJ1	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:33	MJD	TAL CHI
Total/NA	Prep	9010C			400208	09/05/17 12:44	MAN	TAL CHI
Total/NA	Analysis	9014		1	400286		MAN	TAL CHI
					(Start)	09/05/17 16:08		
					(End)	09/05/17 16:08		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 13:41	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		20	400161	09/08/17 02:09	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-3(0-4)083117

Date Collected: 08/31/17 08:50
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/05/17 23:49	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 00:15	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:27	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 10:50	MJD	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 15:30		
					(End)	09/06/17 15:33		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-3(0-4)083117

Date Collected: 08/31/17 08:50
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-4

Matrix: Solid
Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 16:31	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 19:54	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/03/17 00:04	KML	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:34	MJD	TAL CHI
Total/NA	Prep	9010C			400208	09/05/17 12:44	MAN	TAL CHI
Total/NA	Analysis	9014		1	400286		MAN	TAL CHI
					(Start)	09/05/17 16:08		
					(End)	09/05/17 16:09		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		25	400793	09/09/17 04:14	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 13:54	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-3(4-6)083117

Date Collected: 08/31/17 08:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/05/17 23:53	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 00:19	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:32	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 10:51	MJD	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 15:33		
					(End)	09/06/17 15:36		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-3(4-6)083117

Date Collected: 08/31/17 08:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-5

Matrix: Solid
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 16:57	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 20:21	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/03/17 00:16	KML	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:39	MJD	TAL CHI
Total/NA	Prep	9010C			400208	09/05/17 12:44	MAN	TAL CHI
Total/NA	Analysis	9014		1	400286		MAN	TAL CHI
					(Start)	09/05/17 16:09		
					(End)	09/05/17 16:09		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 14:32	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		20	400161	09/08/17 02:34	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-4(0-4)083117

Date Collected: 08/31/17 09:15
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/05/17 23:57	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 00:23	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:33	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 10:56	MJD	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 15:36		
					(End)	09/06/17 15:39		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-4(0-4)083117

Date Collected: 08/31/17 09:15
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-6

Matrix: Solid
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 17:22	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 15:27	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/03/17 00:20	KML	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:41	MJD	TAL CHI
Total/NA	Prep	9010C			400208	09/05/17 12:44	MAN	TAL CHI
Total/NA	Analysis	9014		1	400286		MAN	TAL CHI
					(Start)	09/05/17 16:09		
					(End)	09/05/17 16:09		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 14:44	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		50	400161	09/08/17 02:46	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-4(4-6)083117

Date Collected: 08/31/17 09:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/06/17 00:01	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 00:27	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:35	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 10:57	MJD	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 15:39		
					(End)	09/06/17 15:42		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-4(4-6)083117

Date Collected: 08/31/17 09:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-7

Matrix: Solid
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 17:47	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 18:34	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/03/17 00:24	KML	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:42	MJD	TAL CHI
Total/NA	Prep	9010C			400208	09/05/17 12:44	MAN	TAL CHI
Total/NA	Analysis	9014		1	400286		MAN	TAL CHI
					(Start)	09/05/17 16:09		
					(End)	09/05/17 16:10		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 14:57	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		100	400161	09/08/17 02:59	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-5(0-5)083117

Date Collected: 08/31/17 09:45
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/06/17 00:05	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 00:32	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:36	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 10:59	MJD	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 15:42		
					(End)	09/06/17 15:45		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-5(0-5)083117

Date Collected: 08/31/17 09:45
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-8

Matrix: Solid
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 18:12	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 19:01	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/03/17 00:27	KML	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		10	400343	09/05/17 16:50	PJ1	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:44	MJD	TAL CHI
Total/NA	Prep	9010C			400208	09/05/17 12:44	MAN	TAL CHI
Total/NA	Analysis	9014		1	400286		MAN	TAL CHI
					(Start)	09/05/17 16:10		
					(End)	09/05/17 16:10		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 15:10	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-6(0-4)083117

Date Collected: 08/31/17 10:05
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/06/17 00:09	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 00:36	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:38	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 11:00	MJD	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 15:45		
					(End)	09/06/17 15:48		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-6(0-4)083117

Date Collected: 08/31/17 10:05
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-9

Matrix: Solid
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 18:37	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 20:47	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/03/17 00:31	KML	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		10	400343	09/05/17 16:54	PJ1	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:46	MJD	TAL CHI
Total/NA	Prep	9010C			400208	09/05/17 12:44	MAN	TAL CHI
Total/NA	Analysis	9014		1	400286		MAN	TAL CHI
					(Start)	09/05/17 16:10		
					(End)	09/05/17 16:10		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 15:22	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		200	400161	09/08/17 03:12	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-7(0-3)083117

Date Collected: 08/31/17 10:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/06/17 00:13	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 00:40	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:42	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 11:02	MJD	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 15:48		
					(End)	09/06/17 15:51		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-7(0-3)083117

Date Collected: 08/31/17 10:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-10

Matrix: Solid
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 19:02	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 21:14	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/03/17 00:36	KML	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		10	400343	09/05/17 16:58	PJ1	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:47	MJD	TAL CHI
Total/NA	Prep	9010C			400208	09/05/17 12:44	MAN	TAL CHI
Total/NA	Analysis	9014		1	400286		MAN	TAL CHI
					(Start)	09/05/17 16:10		
					(End)	09/05/17 16:11		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 15:35	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		200	400161	09/08/17 03:24	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-8(0-4)083117

Date Collected: 08/31/17 10:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/06/17 00:17	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 00:44	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:44	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 11:03	MJD	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 15:51		
					(End)	09/06/17 15:54		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-8(0-4)083117

Date Collected: 08/31/17 10:55
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-11

Matrix: Solid
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 19:28	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 16:47	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/03/17 00:40	KML	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		10	400343	09/05/17 17:02	PJ1	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:49	MJD	TAL CHI
Total/NA	Prep	9010C			400687	09/08/17 11:40	EAT	TAL CHI
Total/NA	Analysis	9014		1	400803		EAT	TAL CHI
					(Start)	09/09/17 15:06		
					(End)	09/09/17 15:07		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 15:48	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		100	400161	09/08/17 04:02	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-8(4-7)083117

Date Collected: 08/31/17 11:00
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/06/17 00:21	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 00:48	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:45	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 11:04	MJD	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 15:54		
					(End)	09/06/17 15:57		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-8(4-7)083117

Date Collected: 08/31/17 11:00
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-12

Matrix: Solid
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 19:52	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 17:14	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/03/17 00:44	KML	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		10	400343	09/05/17 17:06	PJ1	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:50	MJD	TAL CHI
Total/NA	Prep	9010C			400687	09/08/17 11:40	EAT	TAL CHI
Total/NA	Analysis	9014		1	400803		EAT	TAL CHI
					(Start)	09/09/17 15:07		
					(End)	09/09/17 15:07		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 16:00	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		50	400161	09/08/17 04:15	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-1(0-4)083117

Date Collected: 08/31/17 11:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/06/17 00:37	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 01:04	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:51	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 11:07	MJD	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 16:00		
					(End)	09/06/17 16:03		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-1(0-4)083117

Date Collected: 08/31/17 11:20
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-14

Matrix: Solid
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 20:18	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 18:07	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/03/17 00:48	KML	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:53	MJD	TAL CHI
Total/NA	Prep	9010C			400687	09/08/17 11:40	EAT	TAL CHI
Total/NA	Analysis	9014		1	400803		EAT	TAL CHI
					(Start)	09/09/17 15:09		
					(End)	09/09/17 15:09		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		2	400793	09/09/17 04:27	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 16:13	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		500	400161	09/08/17 04:28	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-1(4-7)083117

Date Collected: 08/31/17 11:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/06/17 00:41	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 01:09	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:12	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:53	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 11:09	MJD	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 16:03		
					(End)	09/06/17 16:06		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-1(4-7)083117

Date Collected: 08/31/17 11:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-15

Matrix: Solid
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 20:42	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 19:27	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/03/17 00:52	KML	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		10	400343	09/05/17 17:10	PJ1	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 11:58	MJD	TAL CHI
Total/NA	Prep	9010C			400687	09/08/17 11:40	EAT	TAL CHI
Total/NA	Analysis	9014		1	400803		EAT	TAL CHI
					(Start)	09/09/17 15:09		
					(End)	09/09/17 15:10		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 16:26	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		100	400161	09/08/17 04:41	EAT	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Client Sample ID: B-1(4-7)083117D

Date Collected: 08/31/17 11:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			400033	09/01/17 14:29	EEN	TAL CHI
SPLP East	Prep	3010A			400142	09/05/17 07:32	JEF	TAL CHI
SPLP East	Analysis	6010B		1	400344	09/06/17 00:45	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 01:13	PJ1	TAL CHI
SPLP East	Leach	1312			400033	09/01/17 14:29	EEN	TAL CHI
SPLP East	Prep	7470A			400216	09/05/17 10:45	EEN	TAL CHI
SPLP East	Analysis	7470A		1	400389	09/06/17 11:54	MJD	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 11:13	MJD	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 16:06		
					(End)	09/06/17 16:09		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: B-1(4-7)083117D

Date Collected: 08/31/17 11:25
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-16

Matrix: Solid
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			400102	08/31/17 15:37	WRE	TAL CHI
Total/NA	Analysis	8260B		1	399948	09/01/17 21:08	DJD	TAL CHI
Total/NA	Prep	3541			400306	09/06/17 07:09	STW	TAL CHI
Total/NA	Analysis	8270D		1	400538	09/07/17 21:40	AJD	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		1	400180	09/03/17 01:04	KML	TAL CHI
Total/NA	Prep	3050B			400060	09/01/17 16:31	BDE	TAL CHI
Total/NA	Analysis	6010B		10	400343	09/05/17 17:22	PJ1	TAL CHI
Total/NA	Prep	7471B			400044	09/01/17 15:50	MJD	TAL CHI
Total/NA	Analysis	7471B		1	400263	09/05/17 12:00	MJD	TAL CHI
Total/NA	Prep	9010C			400687	09/08/17 11:40	EAT	TAL CHI
Total/NA	Analysis	9014		1	400803		EAT	TAL CHI
					(Start)	09/09/17 15:10		
					(End)	09/09/17 15:10		
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		2	400793	09/09/17 04:39	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		1	400161	09/07/17 17:04	EAT	TAL CHI
Total/NA	Prep	300_Prep			400518	09/07/17 10:45	EAT	TAL CHI
Total/NA	Analysis	9056A		200	400161	09/08/17 04:53	EAT	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: S. BABUSUKUMAR
Company: WESTON SOLUTIONS
Address: 300 PLAZA CIRCLE #202
Address: MUNDELEIN, IL 60060
Phone: 224, 864, 7250
Fax:
E-Mail:

(optional)
Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

500-133400 COC

Chain of Custody Record

Lab Job #: 500 - 133400
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: (4.6)(3.4)

Client: WESTON SOLUTIONS
Client Project #: 02056.015.017.0020
Project Name: IDOT - NEW LENOX YARD
Project Location/State: NEW LENOX, IL
Lab Project #:
Sampler: AJ HORD
Lab PM: R. WRIGHT

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	9	7	7	7	7	7	7			Comments
							Parameter	VOCs	SVOCs	TOTAL METALS	TCLP METALS	SPLP METALS	pH	CHLORIDE FLUORIDE SULFATE			
1		B-2(0-4)-083117	8.31.17	0830	6	S		X	X	X	X	X	X	X			
2		B-2(0-4)083117D		0830	6	S		X	X	X	X	X	X	X			
3		B-2(4-8)083117		0840	6	S		X	X	X	X	X	X	X			
4		B-3(0-4)-083117		0850	6	S		X	X	X	X	X	X	X			
5		B-3(4-6)-083117		0855	6	S		X	X	X	X	X	X	X			
6		B-4(0-4)-083117		0915	6	S		X	X	X	X	X	X	X			
7		B-4(4-6)-083117		0920	6	S		X	X	X	X	X	X	X			
8		B-5(0-5)-083117		0945	6	S		X	X	X	X	X	X	X			
9		B-6(0-4)-083117		1005	6	S		X	X	X	X	X	X	X			
10		B-7(0-3)-083117		1025	6	S		X	X	X	X	X	X	X			

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days X 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date: _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Company	Date	Time		Company	Date	Time
Relinquished By	Weston	8/31/17	12:55	Received By	TA	8/31/17	1255
Relinquished By	TA	8/31/17	1340	Received By	TA	08/31/17	1340
Relinquished By				Received By			

Lab Courier: ✓
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: S. BABUSUKUMAR
Company: WESTON SOLUTIONS
Address: 300 PLAZA CIRCLE H202
Address: MUNDELEIN, IL 60060
Phone: 224, 864, 7250
Fax:
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500 - 133400
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: WESTON SOLUTIONS
Client Project #: 02056.015.017.0020
Project Name: IDOT - NEW LENOX YARD
Project Location/State: NEW LENOX, IL
Lab Project #:
Sampler: AJ HORD
Lab PM: R. WRIGHT

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	9	7	7	7	7	7	7	7		Comments
							Parameter	VOCs	SVOCs	TOTAL METALS	TCLP METALS	SPLP METALS	PH	CHLORIDE FLUORIDE SULFATE	DISSOLVED ORGANICS		
11		B-8(0-4)-083117	8.31.17	1055	6	S		X	X	X	X	X	X	X			
12		B-8(4-7)-083117		1100	6	S		X	X	X	X	X	X	X			
13		DISPOSAL-083117		1115	2	S									X		
14		B-1(0-4)-083117		1120	6	S		X	X	X	X	X	X	X			
15		B-1(4-7)-083117		1125	6	S		X	X	X	X	X	X	X			
16		B-1(4-7)-083117D		1125	6	S		X	X	X	X	X	X	X			
		LAST ITEM															AS

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days X 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	WESTON	8/31/17	12:55	[signature]	TA	8/31/17	1255
[signature]	WESTON	8/31/17	1340	[signature]	TA	08/31/17	1340
[signature]	Company	Date	Time	Received By	Company	Date	Time

Lab Courier ✓
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-560(1209)

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-133400-1

Login Number: 133400
List Number: 1
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	(4.6)(3.4)c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-133400-2
Client Project/Site: IDOT - New Lenox - WO 017

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar

Authorized for release by:
9/12/2017 3:23:07 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

Table of Contents

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-2

Job ID: 500-133400-2

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-133400-2

Comments
No additional comments.

Receipt
The samples were received on 8/31/2017 1:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.4º C and 4.6º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-2

Client Sample ID: Disposal-083117

Lab Sample ID: 500-133400-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.43	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0025	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Flashpoint	>176		40.0	40.0	Degrees F	1		1010A	Total/NA
Cyanide, Reactive	0.14	J	0.48	0.12	mg/Kg	1		9014	Total/NA
pH	8.0		0.20	0.20	SU	1		9045D	Total/NA
Paint Filter	Pass				No Unit	1		9095A	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-2

Method	Method Description	Protocol	Laboratory
8260B	TCLP Volatiles	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8081B	Organochlorine Pesticides (GC)	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	TCLP RCRA Metals	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-133400-13	Disposal-083117	Solid	08/31/17 11:15	08/31/17 13:40

Client Sample ID: Disposal-083117
Date Collected: 08/31/17 11:15
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-13
Matrix: Solid

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			09/05/17 12:41	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			09/05/17 12:41	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			09/05/17 12:41	20
Chloroform	<0.040		0.040	0.020	mg/L			09/05/17 12:41	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			09/05/17 12:41	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			09/05/17 12:41	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			09/05/17 12:41	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			09/05/17 12:41	20
Trichloroethene	<0.020		0.020	0.010	mg/L			09/05/17 12:41	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			09/05/17 12:41	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*09/05/17 12:41*	*20*
Toluene-d8 (Surr)	*93*		*75 - 120*		*09/05/17 12:41*	*20*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*09/05/17 12:41*	*20*
Dibromofluoromethane	*101*		*75 - 120*		*09/05/17 12:41*	*20*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.020		0.020	0.020	mg/L		09/07/17 09:46	09/07/17 21:11	1
2,4-Dinitrotoluene	<0.010		0.010	0.010	mg/L		09/07/17 09:46	09/07/17 21:11	1
Hexachlorobenzene	<0.0050		0.0050	0.0050	mg/L		09/07/17 09:46	09/07/17 21:11	1
Hexachloro-1,3-butadiene	<0.050		0.050	0.050	mg/L		09/07/17 09:46	09/07/17 21:11	1
Hexachloroethane	<0.050		0.050	0.050	mg/L		09/07/17 09:46	09/07/17 21:11	1
2-Methylphenol	<0.020		0.020	0.020	mg/L		09/07/17 09:46	09/07/17 21:11	1
3 & 4 Methylphenol	<0.020		0.020	0.020	mg/L		09/07/17 09:46	09/07/17 21:11	1
Nitrobenzene	<0.010		0.010	0.010	mg/L		09/07/17 09:46	09/07/17 21:11	1
Pentachlorophenol	<0.20		0.20	0.20	mg/L		09/07/17 09:46	09/07/17 21:11	1
Pyridine	<0.20		0.20	0.20	mg/L		09/07/17 09:46	09/07/17 21:11	1
2,4,5-Trichlorophenol	<0.10		0.10	0.10	mg/L		09/07/17 09:46	09/07/17 21:11	1
2,4,6-Trichlorophenol	<0.050		0.050	0.050	mg/L		09/07/17 09:46	09/07/17 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*34 - 110*	*09/07/17 09:46*	*09/07/17 21:11*	*1*
2-Fluorophenol	*54*		*27 - 110*	*09/07/17 09:46*	*09/07/17 21:11*	*1*
Nitrobenzene-d5	*90*		*36 - 120*	*09/07/17 09:46*	*09/07/17 21:11*	*1*
Phenol-d5	*31*		*20 - 100*	*09/07/17 09:46*	*09/07/17 21:11*	*1*
Terphenyl-d14	*110*		*40 - 145*	*09/07/17 09:46*	*09/07/17 21:11*	*1*
2,4,6-Tribromophenol	*82*		*40 - 145*	*09/07/17 09:46*	*09/07/17 21:11*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		09/07/17 11:18	09/12/17 03:42	1
Endrin	<0.0050		0.0050	0.0025	mg/L		09/07/17 11:18	09/12/17 03:42	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		09/07/17 11:18	09/12/17 03:42	1
Heptachlor	<0.0040		0.0040	0.0020	mg/L		09/07/17 11:18	09/12/17 03:42	1
Heptachlor epoxide	<0.0040		0.0040	0.0020	mg/L		09/07/17 11:18	09/12/17 03:42	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		09/07/17 11:18	09/12/17 03:42	1
Toxaphene	<0.050		0.050	0.025	mg/L		09/07/17 11:18	09/12/17 03:42	1

Client Sample ID: Disposal-083117

Date Collected: 08/31/17 11:15
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-13

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*30 - 130*	*09/07/17 11:18*	*09/12/17 03:42*	*1*
Tetrachloro-m-xylene	*80*		*30 - 120*	*09/07/17 11:18*	*09/12/17 03:42*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		09/06/17 12:08	09/07/17 02:16	1
Silvex (2,4,5-TP)	<0.10		0.10	0.050	mg/L		09/06/17 12:08	09/07/17 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*111*		*25 - 130*	*09/06/17 12:08*	*09/07/17 02:16*	*1*

Method: 6010B - TCLP RCRA Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/06/17 00:52	1
Barium	**0.43**	**J**	0.50	0.050	mg/L		09/02/17 10:36	09/06/17 00:52	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		09/02/17 10:36	09/06/17 00:52	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:52	1
Lead	<0.050		0.050	0.0075	mg/L		09/02/17 10:36	09/06/17 00:52	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/06/17 00:52	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/06/17 00:52	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>176**		40.0	40.0	Degrees F			09/08/17 16:11	1
Sulfide, Reactive	<49		49	3.8	mg/Kg		09/06/17 10:42	09/06/17 13:10	1
Cyanide, Reactive	**0.14**	**J**	0.48	0.12	mg/Kg		09/08/17 11:40	09/09/17 15:10	1
pH	**8.0**		0.20	0.20	SU			09/06/17 15:57	1
Paint Filter	**Pass**				No Unit			09/06/17 16:15	1

Client Sample ID: Disposal-083117
Date Collected: 08/31/17 11:15
Date Received: 08/31/17 13:40

Lab Sample ID: 500-133400-13
Matrix: Solid
Percent Solids: 91.0

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.018		0.018	0.0064	mg/Kg	☼	09/01/17 12:20	09/08/17 20:47	1
PCB-1221	<0.018		0.018	0.0080	mg/Kg	☼	09/01/17 12:20	09/08/17 20:47	1
PCB-1232	<0.018		0.018	0.0079	mg/Kg	☼	09/01/17 12:20	09/08/17 20:47	1
PCB-1242	<0.018		0.018	0.0060	mg/Kg	☼	09/01/17 12:20	09/08/17 20:47	1
PCB-1248	<0.018		0.018	0.0072	mg/Kg	☼	09/01/17 12:20	09/08/17 20:47	1
PCB-1254	<0.018		0.018	0.0039	mg/Kg	☼	09/01/17 12:20	09/08/17 20:47	1
PCB-1260	<0.018		0.018	0.0089	mg/Kg	☼	09/01/17 12:20	09/08/17 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*49 - 129*	*09/01/17 12:20*	*09/08/17 20:47*	*1*
DCB Decachlorobiphenyl	*100*		*37 - 121*	*09/01/17 12:20*	*09/08/17 20:47*	*1*

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-2

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-2

GC/MS VOA

Leach Batch: 400035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	1311	
LB 500-400035/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 400137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	8260B	400035
LB 500-400035/1-A	Method Blank	TCLP	Solid	8260B	400035
MB 500-400137/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-400137/5	Lab Control Sample	Total/NA	Solid	8260B	

GC/MS Semi VOA

Leach Batch: 400031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	1311	
LB 500-400031/1-E	Method Blank	TCLP	Solid	1311	
500-133400-13 MS	Disposal-083117	TCLP	Solid	1311	

Prep Batch: 400515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	3510C	400031
LB 500-400031/1-E	Method Blank	TCLP	Solid	3510C	400031
MB 500-400515/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 500-400515/2-A	Lab Control Sample	Total/NA	Solid	3510C	
500-133400-13 MS	Disposal-083117	TCLP	Solid	3510C	400031

Analysis Batch: 400591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	8270D	400515
LB 500-400031/1-E	Method Blank	TCLP	Solid	8270D	400515
MB 500-400515/1-A	Method Blank	Total/NA	Solid	8270D	400515
LCS 500-400515/2-A	Lab Control Sample	Total/NA	Solid	8270D	400515
500-133400-13 MS	Disposal-083117	TCLP	Solid	8270D	400515

GC Semi VOA

Prep Batch: 399997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	Total/NA	Solid	3541	
MB 500-399997/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-399997/3-A	Lab Control Sample	Total/NA	Solid	3541	

Leach Batch: 400031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	1311	
LB 500-400031/1-D	Method Blank	TCLP	Solid	1311	
LB 500-400031/1-F	Method Blank	TCLP	Solid	1311	
500-133400-13 MS	Disposal-083117	TCLP	Solid	1311	

GC Semi VOA (Continued)

Analysis Batch: 400300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	8151	400377
LB 500-400031/1-D	Method Blank	TCLP	Solid	8151	400377
MB 500-400377/1-A	Method Blank	Total/NA	Solid	8151	400377
LCS 500-400377/2-A	Lab Control Sample	Total/NA	Solid	8151	400377
500-133400-13 MS	Disposal-083117	TCLP	Solid	8151	400377

Prep Batch: 400377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	8151A	400031
LB 500-400031/1-D	Method Blank	TCLP	Solid	8151A	400031
MB 500-400377/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 500-400377/2-A	Lab Control Sample	Total/NA	Solid	8151A	
500-133400-13 MS	Disposal-083117	TCLP	Solid	8151A	400031

Prep Batch: 400526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	3510C	400031
LB 500-400031/1-F	Method Blank	TCLP	Solid	3510C	400031
MB 500-400526/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 500-400526/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCS 500-400526/3-A	Lab Control Sample	Total/NA	Solid	3510C	
500-133400-13 MS	Disposal-083117	TCLP	Solid	3510C	400031
500-133400-13 MS	Disposal-083117	TCLP	Solid	3510C	400031

Analysis Batch: 400712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	Total/NA	Solid	8082	399997
MB 500-399997/1-A	Method Blank	Total/NA	Solid	8082	399997
LCS 500-399997/3-A	Lab Control Sample	Total/NA	Solid	8082	399997

Analysis Batch: 400903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	8081B	400526
LB 500-400031/1-F	Method Blank	TCLP	Solid	8081B	400526
MB 500-400526/1-A	Method Blank	Total/NA	Solid	8081B	400526
LCS 500-400526/2-A	Lab Control Sample	Total/NA	Solid	8081B	400526
LCS 500-400526/3-A	Lab Control Sample	Total/NA	Solid	8081B	400526
500-133400-13 MS	Disposal-083117	TCLP	Solid	8081B	400526
500-133400-13 MS	Disposal-083117	TCLP	Solid	8081B	400526

Metals

Leach Batch: 400031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	1311	
LB 500-400031/1-B	Method Blank	TCLP	Solid	1311	
LB 500-400031/1-C	Method Blank	TCLP	Solid	1311	

Metals (Continued)

Prep Batch: 400078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	3010A	400031
LB 500-400031/1-B	Method Blank	TCLP	Solid	3010A	400031
LCS 500-400078/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 400215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	7470A	400031
LB 500-400031/1-C	Method Blank	TCLP	Solid	7470A	400031
MB 500-400215/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-400215/13-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 400337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	6010B	400078
LB 500-400031/1-B	Method Blank	TCLP	Solid	6010B	400078
LCS 500-400078/2-A	Lab Control Sample	Total/NA	Solid	6010B	400078

Analysis Batch: 400389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	TCLP	Solid	7470A	400215
LB 500-400031/1-C	Method Blank	TCLP	Solid	7470A	400215
MB 500-400215/12-A	Method Blank	Total/NA	Solid	7470A	400215
LCS 500-400215/13-A	Lab Control Sample	Total/NA	Solid	7470A	400215

General Chemistry

Analysis Batch: 400004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	Total/NA	Solid	Moisture	

Prep Batch: 400346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	Total/NA	Solid	7.3.4	
MB 500-400346/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 500-400346/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	

Analysis Batch: 400395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	Total/NA	Solid	7.3.4	400346
MB 500-400346/1-A	Method Blank	Total/NA	Solid	7.3.4	400346
LCS 500-400346/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	400346

Analysis Batch: 400408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	Total/NA	Solid	9045D	

Analysis Batch: 400416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	Total/NA	Solid	9095A	

General Chemistry (Continued)

Prep Batch: 400687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	Total/NA	Solid	9010B	
MB 500-400687/1-A	Method Blank	Total/NA	Solid	9010B	
LCS 500-400687/2-A	Lab Control Sample	Total/NA	Solid	9010B	

Analysis Batch: 400804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	Total/NA	Solid	9014	400687
MB 500-400687/1-A	Method Blank	Total/NA	Solid	9014	400687
LCS 500-400687/2-A	Lab Control Sample	Total/NA	Solid	9014	400687

Analysis Batch: 400805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133400-13	Disposal-083117	Total/NA	Solid	1010A	

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-2

Method: 8260B - TCLP Volatiles

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-126)	(75-120)	(72-124)	(75-120)
LCS 500-400137/5	Lab Control Sample	87	81	95	95
MB 500-400137/7	Method Blank	93	94	94	100

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane

Method: 8260B - TCLP Volatiles

Matrix: Solid — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-126)	(75-120)	(72-124)	(75-120)
500-133400-13	Disposal-083117	92	93	98	101
LB 500-400035/1-A	Method Blank	91	75	93	101

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(34-110)	(27-110)	(36-120)	(20-100)	(40-145)	(40-145)
LCS 500-400515/2-A	Lab Control Sample	90	59	88	41	101	98
MB 500-400515/1-A	Method Blank	84	57	87	36	103	81

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(34-110)	(27-110)	(36-120)	(20-100)	(40-145)	(40-145)
500-133400-13	Disposal-083117	85	54	90	31	110	82
500-133400-13 MS	Disposal-083117	87	54	89	42	98	94
LB 500-400031/1-E	Method Blank	91	44	85	28	101	91

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-2

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(30-130)	(30-120)
LCS 500-400526/2-A	Lab Control Sample	81	81
LCS 500-400526/3-A	Lab Control Sample	85	81
MB 500-400526/1-A	Method Blank	87	79

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(30-130)	(30-120)
500-133400-13	Disposal-083117	93	80
500-133400-13 MS	Disposal-083117	94	79
500-133400-13 MS	Disposal-083117	92	80
LB 500-400031/1-F	Method Blank	81	84

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082 - PCBs

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(49-129)	(37-121)
500-133400-13	Disposal-083117	95	100
LCS 500-399997/3-A	Lab Control Sample	93	99
MB 500-399997/1-A	Method Blank	87	90

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-2

Method: 8151 - TCLP Herbicides

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DCPA1 (25-130)
LCS 500-400377/2-A	Lab Control Sample	49
MB 500-400377/1-A	Method Blank	54

Surrogate Legend

DCPA = DCAA

Method: 8151 - TCLP Herbicides

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DCPA1 (25-130)
500-133400-13	Disposal-083117	111
500-133400-13 MS	Disposal-083117	74
LB 500-400031/1-D	Method Blank	58

Surrogate Legend

DCPA = DCAA

Method: 8260B - TCLP Volatiles

Lab Sample ID: MB 500-400137/7
Matrix: Solid
Analysis Batch: 400137

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0010		0.0010	0.00050	mg/L			09/05/17 10:43	1
Carbon tetrachloride	<0.0010		0.0010	0.00050	mg/L			09/05/17 10:43	1
Chlorobenzene	<0.0010		0.0010	0.00050	mg/L			09/05/17 10:43	1
Chloroform	<0.0020		0.0020	0.0010	mg/L			09/05/17 10:43	1
1,2-Dichloroethane	<0.0010		0.0010	0.00050	mg/L			09/05/17 10:43	1
1,1-Dichloroethene	<0.0010		0.0010	0.00050	mg/L			09/05/17 10:43	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0025	mg/L			09/05/17 10:43	1
Tetrachloroethene	<0.0010		0.0010	0.00050	mg/L			09/05/17 10:43	1
Trichloroethene	<0.0010		0.0010	0.00050	mg/L			09/05/17 10:43	1
Vinyl chloride	<0.0010		0.0010	0.00050	mg/L			09/05/17 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*09/05/17 10:43*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*09/05/17 10:43*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*09/05/17 10:43*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*09/05/17 10:43*	*1*

Lab Sample ID: LCS 500-400137/5
Matrix: Solid
Analysis Batch: 400137

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0515		mg/L		103	70 - 120
Carbon tetrachloride	0.0500	0.0500		mg/L		100	65 - 122
Chlorobenzene	0.0500	0.0531		mg/L		106	70 - 120
Chloroform	0.0500	0.0484		mg/L		97	70 - 120
1,2-Dichloroethane	0.0500	0.0483		mg/L		97	68 - 127
1,1-Dichloroethene	0.0500	0.0528		mg/L		106	67 - 122
Methyl Ethyl Ketone	0.0500	0.0459		mg/L		92	53 - 141
Tetrachloroethene	0.0500	0.0518		mg/L		104	70 - 128
Trichloroethene	0.0500	0.0538		mg/L		108	70 - 125
Vinyl chloride	0.0500	0.0532		mg/L		106	64 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*
Toluene-d8 (Surr)	*81*		*75 - 120*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane	*95*		*75 - 120*

Lab Sample ID: LB 500-400035/1-A
Matrix: Solid
Analysis Batch: 400137

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			09/05/17 11:12	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			09/05/17 11:12	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			09/05/17 11:12	20

Method: 8260B - TCLP Volatiles (Continued)

Lab Sample ID: LB 500-400035/1-A
Matrix: Solid
Analysis Batch: 400137

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.040		0.040	0.020	mg/L			09/05/17 11:12	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			09/05/17 11:12	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			09/05/17 11:12	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			09/05/17 11:12	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			09/05/17 11:12	20
Trichloroethene	<0.020		0.020	0.010	mg/L			09/05/17 11:12	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			09/05/17 11:12	20

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*09/05/17 11:12*	*20*
Toluene-d8 (Surr)	*75*		*75 - 120*		*09/05/17 11:12*	*20*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*09/05/17 11:12*	*20*
Dibromofluoromethane	*101*		*75 - 120*		*09/05/17 11:12*	*20*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-400515/1-A
Matrix: Solid
Analysis Batch: 400591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400515

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.0020		0.0020	0.0020	mg/L		09/07/17 09:46	09/07/17 20:13	1
2,4-Dinitrotoluene	<0.0010		0.0010	0.0010	mg/L		09/07/17 09:46	09/07/17 20:13	1
Hexachlorobenzene	<0.00050		0.00050	0.00050	mg/L		09/07/17 09:46	09/07/17 20:13	1
Hexachloro-1,3-butadiene	<0.0050		0.0050	0.0050	mg/L		09/07/17 09:46	09/07/17 20:13	1
Hexachloroethane	<0.0050		0.0050	0.0050	mg/L		09/07/17 09:46	09/07/17 20:13	1
2-Methylphenol	<0.0020		0.0020	0.0020	mg/L		09/07/17 09:46	09/07/17 20:13	1
3 & 4 Methylphenol	<0.0020		0.0020	0.0020	mg/L		09/07/17 09:46	09/07/17 20:13	1
Nitrobenzene	<0.0010		0.0010	0.0010	mg/L		09/07/17 09:46	09/07/17 20:13	1
Pentachlorophenol	<0.020		0.020	0.020	mg/L		09/07/17 09:46	09/07/17 20:13	1
Pyridine	<0.020		0.020	0.020	mg/L		09/07/17 09:46	09/07/17 20:13	1
2,4,5-Trichlorophenol	<0.010		0.010	0.010	mg/L		09/07/17 09:46	09/07/17 20:13	1
2,4,6-Trichlorophenol	<0.0050		0.0050	0.0050	mg/L		09/07/17 09:46	09/07/17 20:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*34 - 110*	*09/07/17 09:46*	*09/07/17 20:13*	*1*
2-Fluorophenol	*57*		*27 - 110*	*09/07/17 09:46*	*09/07/17 20:13*	*1*
Nitrobenzene-d5	*87*		*36 - 120*	*09/07/17 09:46*	*09/07/17 20:13*	*1*
Phenol-d5	*36*		*20 - 100*	*09/07/17 09:46*	*09/07/17 20:13*	*1*
Terphenyl-d14	*103*		*40 - 145*	*09/07/17 09:46*	*09/07/17 20:13*	*1*
2,4,6-Tribromophenol	*81*		*40 - 145*	*09/07/17 09:46*	*09/07/17 20:13*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-400515/2-A
Matrix: Solid
Analysis Batch: 400591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400515

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0400	0.0273		mg/L		68	23 - 110
2,4-Dinitrotoluene	0.0400	0.0355		mg/L		89	63 - 122
Hexachlorobenzene	0.0400	0.0368		mg/L		92	61 - 120
Hexachloro-1,3-butadiene	0.0400	0.0262		mg/L		66	20 - 100
Hexachloroethane	0.0400	0.0272		mg/L		68	20 - 100
2-Methylphenol	0.0400	0.0292		mg/L		73	53 - 110
3 & 4 Methylphenol	0.0400	0.0300		mg/L		75	53 - 110
Nitrobenzene	0.0400	0.0335		mg/L		84	53 - 110
Pentachlorophenol	0.0800	0.0705		mg/L		88	23 - 129
Pyridine	0.0800	0.0256		mg/L		32	15 - 110
2,4,5-Trichlorophenol	0.0400	0.0373		mg/L		93	63 - 120
2,4,6-Trichlorophenol	0.0400	0.0348		mg/L		87	62 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*34 - 110*
2-Fluorophenol	*59*		*27 - 110*
Nitrobenzene-d5	*88*		*36 - 120*
Phenol-d5	*41*		*20 - 100*
Terphenyl-d14	*101*		*40 - 145*
2,4,6-Tribromophenol	*98*		*40 - 145*

Lab Sample ID: LB 500-400031/1-E
Matrix: Solid
Analysis Batch: 400591

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 400515

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.020		0.020	0.020	mg/L		09/07/17 09:46	09/07/17 19:44	1
2,4-Dinitrotoluene	<0.010		0.010	0.010	mg/L		09/07/17 09:46	09/07/17 19:44	1
Hexachlorobenzene	<0.0050		0.0050	0.0050	mg/L		09/07/17 09:46	09/07/17 19:44	1
Hexachloro-1,3-butadiene	<0.050		0.050	0.050	mg/L		09/07/17 09:46	09/07/17 19:44	1
Hexachloroethane	<0.050		0.050	0.050	mg/L		09/07/17 09:46	09/07/17 19:44	1
2-Methylphenol	<0.020		0.020	0.020	mg/L		09/07/17 09:46	09/07/17 19:44	1
3 & 4 Methylphenol	<0.020		0.020	0.020	mg/L		09/07/17 09:46	09/07/17 19:44	1
Nitrobenzene	<0.010		0.010	0.010	mg/L		09/07/17 09:46	09/07/17 19:44	1
Pentachlorophenol	<0.20		0.20	0.20	mg/L		09/07/17 09:46	09/07/17 19:44	1
Pyridine	<0.20		0.20	0.20	mg/L		09/07/17 09:46	09/07/17 19:44	1
2,4,5-Trichlorophenol	<0.10		0.10	0.10	mg/L		09/07/17 09:46	09/07/17 19:44	1
2,4,6-Trichlorophenol	<0.050		0.050	0.050	mg/L		09/07/17 09:46	09/07/17 19:44	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*34 - 110*	*09/07/17 09:46*	*09/07/17 19:44*	*1*
2-Fluorophenol	*44*		*27 - 110*	*09/07/17 09:46*	*09/07/17 19:44*	*1*
Nitrobenzene-d5	*85*		*36 - 120*	*09/07/17 09:46*	*09/07/17 19:44*	*1*
Phenol-d5	*28*		*20 - 100*	*09/07/17 09:46*	*09/07/17 19:44*	*1*
Terphenyl-d14	*101*		*40 - 145*	*09/07/17 09:46*	*09/07/17 19:44*	*1*
2,4,6-Tribromophenol	*91*		*40 - 145*	*09/07/17 09:46*	*09/07/17 19:44*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-133400-13 MS
Matrix: Solid
Analysis Batch: 400591

Client Sample ID: Disposal-083117
Prep Type: TCLP
Prep Batch: 400515

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	<0.020		0.400	0.276		mg/L		69	23 - 110
2,4-Dinitrotoluene	<0.010		0.400	0.344		mg/L		86	63 - 122
Hexachlorobenzene	<0.0050		0.400	0.352		mg/L		88	61 - 120
Hexachloro-1,3-butadiene	<0.050		0.400	0.252		mg/L		63	20 - 100
Hexachloroethane	<0.050		0.400	0.279		mg/L		70	20 - 100
2-Methylphenol	<0.020		0.400	0.298		mg/L		75	53 - 110
3 & 4 Methylphenol	<0.020		0.400	0.315		mg/L		79	53 - 110
Nitrobenzene	<0.010		0.400	0.345		mg/L		86	53 - 110
Pentachlorophenol	<0.20		0.800	0.699		mg/L		87	23 - 129
Pyridine	<0.20		0.800	0.436		mg/L		54	15 - 110
2,4,5-Trichlorophenol	<0.10		0.400	0.358		mg/L		90	63 - 120
2,4,6-Trichlorophenol	<0.050		0.400	0.349		mg/L		87	62 - 110

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*34 - 110*
2-Fluorophenol	*54*		*27 - 110*
Nitrobenzene-d5	*89*		*36 - 120*
Phenol-d5	*42*		*20 - 100*
Terphenyl-d14	*98*		*40 - 145*
2,4,6-Tribromophenol	*94*		*40 - 145*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 500-400526/1-A
Matrix: Solid
Analysis Batch: 400903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400526

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.00010		0.00010	0.000050	mg/L		09/07/17 11:18	09/12/17 01:19	1
Endrin	<0.000050		0.000050	0.000025	mg/L		09/07/17 11:18	09/12/17 01:19	1
gamma-BHC (Lindane)	<0.000050		0.000050	0.000025	mg/L		09/07/17 11:18	09/12/17 01:19	1
Heptachlor	<0.000040		0.000040	0.000020	mg/L		09/07/17 11:18	09/12/17 01:19	1
Heptachlor epoxide	<0.000040		0.000040	0.000020	mg/L		09/07/17 11:18	09/12/17 01:19	1
Methoxychlor	<0.00010		0.00010	0.000050	mg/L		09/07/17 11:18	09/12/17 01:19	1
Toxaphene	<0.00050		0.00050	0.00025	mg/L		09/07/17 11:18	09/12/17 01:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*30 - 130*	*09/07/17 11:18*	*09/12/17 01:19*	*1*
Tetrachloro-m-xylene	*79*		*30 - 120*	*09/07/17 11:18*	*09/12/17 01:19*	*1*

Lab Sample ID: LCS 500-400526/2-A
Matrix: Solid
Analysis Batch: 400903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	0.000100	0.0000915		mg/L		91	60 - 132
gamma-BHC (Lindane)	0.000100	0.0000845		mg/L		85	68 - 120

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 500-400526/2-A
Matrix: Solid
Analysis Batch: 400903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400526

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Heptachlor			0.000100	0.0000848		mg/L		85	40 - 120		
Heptachlor epoxide			0.000100	0.0000917		mg/L		92	64 - 120		
Methoxychlor			0.00100	0.000930		mg/L		93	63 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*30 - 130*
Tetrachloro-m-xylene	*81*		*30 - 120*

Lab Sample ID: LCS 500-400526/3-A
Matrix: Solid
Analysis Batch: 400903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400526

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Toxaphene			0.0100	0.00963		mg/L		96	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*85*		*30 - 130*
Tetrachloro-m-xylene	*81*		*30 - 120*

Lab Sample ID: LB 500-400031/1-F
Matrix: Solid
Analysis Batch: 400903

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 400526

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		09/07/17 11:18	09/12/17 02:20	1
Endrin	<0.0050		0.0050	0.0025	mg/L		09/07/17 11:18	09/12/17 02:20	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		09/07/17 11:18	09/12/17 02:20	1
Heptachlor	<0.0040		0.0040	0.0020	mg/L		09/07/17 11:18	09/12/17 02:20	1
Heptachlor epoxide	<0.0040		0.0040	0.0020	mg/L		09/07/17 11:18	09/12/17 02:20	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		09/07/17 11:18	09/12/17 02:20	1
Toxaphene	<0.050		0.050	0.025	mg/L		09/07/17 11:18	09/12/17 02:20	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*30 - 130*	*09/07/17 11:18*	*09/12/17 02:20*	*1*
Tetrachloro-m-xylene	*84*		*30 - 120*	*09/07/17 11:18*	*09/12/17 02:20*	*1*

Lab Sample ID: 500-133400-13 MS
Matrix: Solid
Analysis Batch: 400903

Client Sample ID: Disposal-083117
Prep Type: TCLP
Prep Batch: 400526

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Endrin	<0.0050		0.0100	0.00910		mg/L		91	60 - 132		
gamma-BHC (Lindane)	<0.0050		0.0100	0.00832		mg/L		83	68 - 120		
Heptachlor	<0.0040		0.0100	0.00831		mg/L		83	40 - 120		
Heptachlor epoxide	<0.0040		0.0100	0.00893		mg/L		89	64 - 120		
Methoxychlor	<0.010		0.100	0.0937		mg/L		93	63 - 135		

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 500-133400-13 MS
Matrix: Solid
Analysis Batch: 400903

Client Sample ID: Disposal-083117
Prep Type: TCLP
Prep Batch: 400526

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*94*		*30 - 130*
Tetrachloro-m-xylene	*79*		*30 - 120*

Lab Sample ID: 500-133400-13 MS
Matrix: Solid
Analysis Batch: 400903

Client Sample ID: Disposal-083117
Prep Type: TCLP
Prep Batch: 400526

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toxaphene	<0.050		1.00	1.00		mg/L		100	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*30 - 130*
Tetrachloro-m-xylene	*80*		*30 - 120*

Method: 8082 - PCBs

Lab Sample ID: MB 500-399997/1-A
Matrix: Solid
Analysis Batch: 400712

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 399997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.017		0.017	0.0059	mg/Kg		09/01/17 12:20	09/08/17 20:17	1
PCB-1221	<0.017		0.017	0.0073	mg/Kg		09/01/17 12:20	09/08/17 20:17	1
PCB-1232	<0.017		0.017	0.0073	mg/Kg		09/01/17 12:20	09/08/17 20:17	1
PCB-1242	<0.017		0.017	0.0055	mg/Kg		09/01/17 12:20	09/08/17 20:17	1
PCB-1248	<0.017		0.017	0.0066	mg/Kg		09/01/17 12:20	09/08/17 20:17	1
PCB-1254	<0.017		0.017	0.0036	mg/Kg		09/01/17 12:20	09/08/17 20:17	1
PCB-1260	<0.017		0.017	0.0082	mg/Kg		09/01/17 12:20	09/08/17 20:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*49 - 129*	*09/01/17 12:20*	*09/08/17 20:17*	*1*
DCB Decachlorobiphenyl	*90*		*37 - 121*	*09/01/17 12:20*	*09/08/17 20:17*	*1*

Lab Sample ID: LCS 500-399997/3-A
Matrix: Solid
Analysis Batch: 400712

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 399997

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016			0.167	0.138		mg/Kg		83	57 - 120
PCB-1260			0.167	0.146		mg/Kg		88	61 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*93*		*49 - 129*
DCB Decachlorobiphenyl	*99*		*37 - 121*

Method: 8151 - TCLP Herbicides

Lab Sample ID: MB 500-400377/1-A
Matrix: Solid
Analysis Batch: 400300

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400377

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.0010		0.0010	0.00050	mg/L		09/06/17 12:08	09/07/17 00:14	1
Silvex (2,4,5-TP)	<0.0010		0.0010	0.00050	mg/L		09/06/17 12:08	09/07/17 00:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*54*		*25 - 130*	*09/06/17 12:08*	*09/07/17 00:14*	*1*

Lab Sample ID: LCS 500-400377/2-A
Matrix: Solid
Analysis Batch: 400300

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.0101	0.00336		mg/L		33	30 - 115
Silvex (2,4,5-TP)	0.00251	0.00114		mg/L		46	32 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA	*49*		*25 - 130*

Lab Sample ID: LB 500-400031/1-D
Matrix: Solid
Analysis Batch: 400300

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 400377

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		09/06/17 12:08	09/07/17 01:28	1
Silvex (2,4,5-TP)	<0.10		0.10	0.050	mg/L		09/06/17 12:08	09/07/17 01:28	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*58*		*25 - 130*	*09/06/17 12:08*	*09/07/17 01:28*	*1*

Lab Sample ID: 500-133400-13 MS
Matrix: Solid
Analysis Batch: 400300

Client Sample ID: Disposal-083117
Prep Type: TCLP
Prep Batch: 400377

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	<0.10		1.01	0.561		mg/L		56	30 - 115
Silvex (2,4,5-TP)	<0.10		0.251	0.137		mg/L		55	32 - 115

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCAA	*74*		*25 - 130*

Method: 6010B - TCLP RCRA Metals

Lab Sample ID: LCS 500-400078/2-A
Matrix: Solid
Analysis Batch: 400337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.0909		mg/L		91	80 - 120

Method: 6010B - TCLP RCRA Metals (Continued)

Lab Sample ID: LCS 500-400078/2-A
Matrix: Solid
Analysis Batch: 400337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.500	0.515		mg/L		103	80 - 120
Cadmium	0.0500	0.0499		mg/L		100	80 - 120
Chromium	0.200	0.192		mg/L		96	80 - 120
Lead	0.100	0.0920		mg/L		92	80 - 120
Selenium	0.100	0.0909		mg/L		91	80 - 120
Silver	0.0500	0.0483		mg/L		97	80 - 120

Lab Sample ID: LB 500-400031/1-B
Matrix: Solid
Analysis Batch: 400337

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 400078

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/17 10:36	09/05/17 23:46	1
Barium	<0.50		0.50	0.050	mg/L		09/02/17 10:36	09/05/17 23:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/17 10:36	09/05/17 23:46	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:46	1
Lead	<0.050		0.050	0.0075	mg/L		09/02/17 10:36	09/05/17 23:46	1
Selenium	<0.050		0.050	0.020	mg/L		09/02/17 10:36	09/05/17 23:46	1
Silver	<0.025		0.025	0.010	mg/L		09/02/17 10:36	09/05/17 23:46	1

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 500-400215/12-A
Matrix: Solid
Analysis Batch: 400389

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:37	1

Lab Sample ID: LCS 500-400215/13-A
Matrix: Solid
Analysis Batch: 400389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	1.70		ug/L		85	80 - 120

Lab Sample ID: LB 500-400031/1-C
Matrix: Solid
Analysis Batch: 400389

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 400215

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/05/17 10:45	09/06/17 10:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-2

Method: 7.3.4 - Reactive Sulfide

Lab Sample ID: MB 500-400346/1-A
Matrix: Solid
Analysis Batch: 400395

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<50		50	3.9	mg/Kg		09/06/17 09:57	09/06/17 12:48	1

Lab Sample ID: LCS 500-400346/2-A
Matrix: Solid
Analysis Batch: 400395

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	194	185		mg/Kg		95	80 - 120

Method: 9014 - Reactive Cyanide

Lab Sample ID: MB 500-400687/1-A
Matrix: Solid
Analysis Batch: 400804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	<0.50		0.50	0.13	mg/Kg		09/08/17 11:40	09/09/17 15:07	1

Lab Sample ID: LCS 500-400687/2-A
Matrix: Solid
Analysis Batch: 400804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	5.00	4.97		mg/Kg		99	80 - 120

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-2

Client Sample ID: Disposal-083117

Lab Sample ID: 500-133400-13

Date Collected: 08/31/17 11:15

Matrix: Solid

Date Received: 08/31/17 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			400035	09/01/17 14:12	EEN	TAL CHI
TCLP	Analysis	8260B		20	400137	09/05/17 12:41	PMF	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3510C			400515	09/07/17 09:46	NRJ	TAL CHI
TCLP	Analysis	8270D		1	400591	09/07/17 21:11	GES	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3510C			400526	09/07/17 11:18	NRJ	TAL CHI
TCLP	Analysis	8081B		1	400903	09/12/17 03:42	PJG	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	8151A			400377	09/06/17 12:08	NRJ	TAL CHI
TCLP	Analysis	8151		1	400300	09/07/17 02:16	SAW	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	3010A			400078	09/02/17 10:36	BDE	TAL CHI
TCLP	Analysis	6010B		1	400337	09/06/17 00:52	PJ1	TAL CHI
TCLP	Leach	1311			400031	09/01/17 14:12	EEN	TAL CHI
TCLP	Prep	7470A			400215	09/05/17 10:45	EEN	TAL CHI
TCLP	Analysis	7470A		1	400389	09/06/17 11:06	MJD	TAL CHI
Total/NA	Analysis	1010A		1	400805		HMW	TAL CHI
					(Start)	09/08/17 16:11		
					(End)	09/08/17 17:34		
Total/NA	Prep	7.3.4			400346	09/06/17 10:42	RMP	TAL CHI
Total/NA	Analysis	7.3.4		1	400395	09/06/17 13:10	RMP	TAL CHI
Total/NA	Prep	9010B			400687	09/08/17 11:40	EAT	TAL CHI
Total/NA	Analysis	9014		1	400804	09/09/17 15:10	EAT	TAL CHI
Total/NA	Analysis	9045D		1	400408		SMO	TAL CHI
					(Start)	09/06/17 15:57		
					(End)	09/06/17 16:00		
Total/NA	Analysis	9095A		1	400416		MAN	TAL CHI
					(Start)	09/06/17 16:15		
					(End)	09/06/17 16:22		
Total/NA	Analysis	Moisture		1	400004	09/01/17 13:43	LWN	TAL CHI

Client Sample ID: Disposal-083117

Lab Sample ID: 500-133400-13

Date Collected: 08/31/17 11:15

Matrix: Solid

Date Received: 08/31/17 13:40

Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			399997	09/01/17 12:20	DAK	TAL CHI
Total/NA	Analysis	8082		1	400712	09/08/17 20:47	BJH	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - New Lenox - WO 017

TestAmerica Job ID: 500-133400-2

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7.3.4	7.3.4	Solid	Sulfide, Reactive
9014	9010B	Solid	Cyanide, Reactive
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: S. BABUSUKUMAR
Company: WESTON SOLUTIONS
Address: 300 PLAZA CIRCLE #202
Address: MUNDELEIN, IL 60060
Phone: 224, 864, 7250
Fax:
E-Mail:

(optional)
Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

500-133400 COC

Chain of Custody Record

Lab Job #: 500 - 133400
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: (4.6)(3.4)

Client: WESTON SOLUTIONS
Client Project #: 02056.015.017.0020
Project Name: IDOT - NEW LENOX YARD
Project Location/State: NEW LENOX, IL
Lab Project #:
Sampler: AJ HORD
Lab PM: R. WRIGHT

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	9	7	7	7	7	7	7			Comments
							Parameter	VOCs	SVOCs	TOTAL METALS	TCLP METALS	SPLP METALS	pH	CHLORIDE FLUORIDE SULFATE			
1		B-2(0-4)-083117	8.31.17	0830	6	S		X	X	X	X	X	X	X			
2		B-2(0-4)083117D		0830	6	S		X	X	X	X	X	X	X			
3		B-2(4-8)083117		0840	6	S		X	X	X	X	X	X	X			
4		B-3(0-4)-083117		0850	6	S		X	X	X	X	X	X	X			
5		B-3(4-6)-083117		0855	6	S		X	X	X	X	X	X	X			
6		B-4(0-4)-083117		0915	6	S		X	X	X	X	X	X	X			
7		B-4(4-6)-083117		0920	6	S		X	X	X	X	X	X	X			
8		B-5(0-5)-083117		0945	6	S		X	X	X	X	X	X	X			
9		B-6(0-4)-083117		1005	6	S		X	X	X	X	X	X	X			
10		B-7(0-3)-083117		1025	6	S		X	X	X	X	X	X	X			

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days X 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Company	Date	Time		Company	Date	Time
Relinquished By	Weston	8/31/17	12:55	Received By	TA	8/31/17	1255
Relinquished By	TA	8/31/17	1340	Received By	TA	08/31/17	1340
Relinquished By				Received By			

Lab Courier ✓
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: S. BABUSUKUMAR
Company: WESTON SOLUTIONS
Address: 300 PLAZA CIRCLE H202
Address: MUNDELEIN, IL 60060
Phone: 224, 864, 7250
Fax:
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500 - 133400
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: WESTON SOLUTIONS
Client Project #: 02056.015.017.0020
Project Name: IDOT - NEW LENOX YARD
Project Location/State: NEW LENOX, IL
Lab Project #:
Sampler: AJ HORD
Lab PM: R. WRIGHT

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	9	7	7	7	7	7	7	7		Comments
		Parameter						VOCs	SVOCs	TOTAL METALS	TCLP METALS	SPLP METALS	PH	CHLORIDE FLUORIDE SULFATE	DISPOSAL CHARACTERISTICS		
11		B-8(0-4)-083117	8.31.17	1055	6	S		X	X	X	X	X	X	X			
12		B-8(4-7)-083117		1100	6	S		X	X	X	X	X	X	X			
13		DISPOSAL-083117		1115	2	S									X		
14		B-1(0-4)-083117		1120	6	S		X	X	X	X	X	X	X			
15		B-1(4-7)-083117		1125	6	S		X	X	X	X	X	X	X			
16		B-1(4-7)-083117D		1125	6	S		X	X	X	X	X	X	X			
		LAST ITEM															AS

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days X 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	8/31/17	12:55	[signature]	TA	8/31/17	1255
[signature]		8/31/17	1340	[signature]	TA	08/31/17	1340

Lab Courier ✓
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-560(1209)

9/12/2017

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-133400-2

Login Number: 133400
List Number: 1
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	(4.6)(3.4)c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX E

BACKGROUND INFORMATION

IDOT Sequence #: 13165C **ISGS: 1628V2**
IDOT Job #: P91-152-05 **IDOT District #: 1**

PRELIMINARY ENVIRONMENTAL SITE ASSESSMENT

FINAL REPORT

DATE: September 19, 2014

IDOT DESIGN DATE: January 31, 2010

SURVEY TARGET DATE: October 1, 2014

DATE REQUEST RECEIVED: April 8, 2014

LOCATION: FAI 80 (I-80) at US 30, New Lenox and unincorporated New Lenox Township, Will County; Joliet and Mokena quadrangles (USGS 7.5-minute topographic maps, T35N, R11E, Sections 17 and 18.

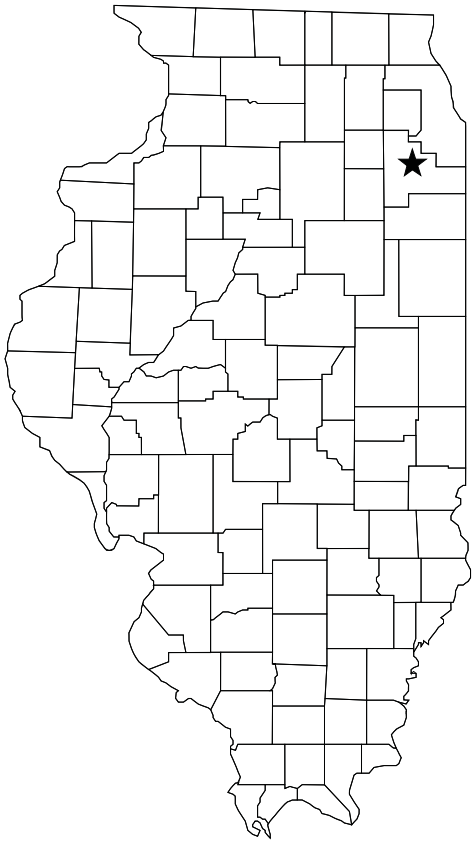


Table of Contents

GLOSSARY OF ACRONYMS

AAI	-	All Appropriate Inquiries
ACM	-	asbestos-containing material
AST	-	aboveground storage tank
ASTM	-	American Society for Testing and Materials
AULs	-	activity and use limitations (includes institutional controls, engineered barriers, and HAAs)
bgs	-	below ground surface
BOL	-	Bureau of Land (IEPA)
BTEX	-	benzene, toluene, ethylbenzene, and total xylenes
CDPH	-	Chicago Department of Public Health
CCDD	-	Clean construction and demolition debris
CERCLIS	-	Comprehensive Environmental Response, Compensation, and Liability Information System
CTA	-	Chicago Transit Authority
ERNS	-	Emergency Response Notification System
FEMA	-	Federal Emergency Management Agency
FIRM	-	Flood Insurance Rate map
FOIA	-	Freedom of Information Act
GIS	-	Geographic Information System
GRO	-	Groundwater Remediation Objective
HAA	-	Highway Authority Agreement
IDNR	-	Illinois Department of Natural Resources
IDOT	-	Illinois Department of Transportation
IEMA	-	Illinois Emergency Management Agency
IEPA	-	Illinois Environmental Protection Agency
IMD	-	Illinois Manufacturers Directory
ISGS	-	Illinois State Geological Survey
ISTC	-	Illinois Sustainable Technology Center (formerly Waste Management and Research Center)
ISWS	-	Illinois State Water Survey
LUST	-	leaking underground storage tank
µg/kg	-	micrograms per kilogram (ppb)
µg/l	-	micrograms per liter (ppb)
mg/kg	-	milligrams per kilogram (ppm)
mg/l	-	milligrams per liter (ppm)
M.M.	-	mile marker
M.P.	-	mile post
MSDS	-	material safety data sheet
MTBE	-	methyl tertiary butyl ether
NFR	-	No Further Remediation
NPL	-	National Priorities List
NRCS	-	Natural Resources Conservation Service
OSFM	-	Office of the State Fire Marshal
PAA	-	Permit Access Agreement
PAH/PNA	-	polynuclear aromatic hydrocarbons
PCB	-	polychlorinated biphenyls
PCE	-	Percholoethylene
PESA	-	Preliminary Environmental Site Assessment
P.G.	-	Professional Geologist
ppb	-	parts per billion (equivalent to µg/kg for solids, and µg/l in liquids)
ppm	-	parts per million (equivalent to mg/kg in solids, and mg/l in liquids)
PRP	-	Potentially Responsible Party
RCRA	-	Resource Conservation and Recovery Act
REC	-	recognized environmental condition
ROW	-	right-of-way
SIC	-	Standard Industrial Classification
SPLP	-	synthetic precipitation leaching procedure
SRO	-	Soil Remediation Objective
SRP	-	Site Remediation Program
SSTS	-	Section Seven Tracking System (USEPA)
SVOCs	-	semi-volatile organic compounds
TACO	-	Tiered Approach to Cleanup Objectives (IEPA)
TCLP	-	toxicity characteristic leaching procedure
TPH	-	total petroleum hydrocarbons
TRI	-	Toxics Release Inventory
TVOC	-	Total volatile organic compounds
USDA	-	United States Department of Agriculture
USEPA	-	United States Environmental Protection Agency
USGS	-	United States Geological Survey
UST	-	underground storage tank
VOC	-	volatile organic compounds

EXECUTIVE SUMMARY

This report presents the results of an environmental site assessment for improvements along I-80 and the I-80 and US 30 interchange, New Lenox and unincorporated New Lenox Township, Will County. This report was prepared on behalf of the Illinois Department of Transportation (IDOT) by the Illinois State Geological Survey (ISGS).

The following sites were examined for this project. The tables below list sites along the project for which recognized environmental conditions (RECs)* were identified for each address or address range (Table 1); sites along the project for which only de minimis conditions were identified (Table 2); sites along the project for which no RECs or de minimis conditions were identified (Table 3); and sites adjoining but not on the project that were identified on environmental databases (Table 4). Further investigation of sites with RECs may be desired.

Table 1. The following sites along the project were determined to contain RECs:

Property name IDOT parcel #	ISGS site #	REC(s), including de minimis conditions	Regulatory database(s)	Land use

IDOT New Lenox Maintenance Facility and Sign Shop NA	1628V2-23	USTs; ASTs; drums; former drums; evidence of chemical use; road salt; metals; transformers; mounding; potential ACM and lead paint	RCRA, BOL, UST	Government

INTRODUCTION

This is the **Final Report** of a preliminary environmental assessment by the ISGS of natural and man-made hazards that may be encountered on or along the ROW acquired for improvements along I-80 and the I-80 and US 30 interchange, New Lenox and unincorporated New Lenox Township, Will County (Attachment 1). This project is a validation of the western portion of ISGS #1628A/V submitted to IDOT on December 30, 2009. ISGS #1628V was completed simultaneously with ISGS #1628A and submitted as one report (ISGS #1628A/V). This report only represents a validation of the portion of the report west of S. Gougar Road to east of the I-80 and US 30 interchange. Acquisition of additional ROW or easement will be required, in-stream work is not expected, railroad ROW involvement was not specified, and subsurface utility relocation or excavation is expected to occur. US 30 is known as Lincoln Highway and W. Maple Street in the Village of New Lenox. Lincoln Highway/W. Maple Street will be referred to as US 30 in this report, except where they appear as addresses. Stationing information was provided by IDOT in feet, and is presented as such in this report. Stationing will be given to the midpoint of the site or as ranges where necessary. This report identifies and evaluates recognized environmental conditions (RECs) that may be indicative of releases or potential releases of hazardous substances on, at, in, or to the proposed project.

This assessment has been prepared using historical and geological information including aerial photographs, U.S. Geological Survey topographic maps, plat maps, file information of the ISGS regulatory file information from federal, state, and other agencies, and various other sources of information. An on-site investigation has been completed. The specific methods used to conduct the assessment are contained in "A Manual for Conducting Preliminary Environmental Site Assessments for Illinois Department of Transportation Infrastructure Projects" (Erdmann et al., 2014). If new information is received concerning this project that is considered to have a significant impact on the findings of this report, the report will be revised and resubmitted to IDOT Bureau of Design and Environment.

This Preliminary Environmental Site Assessment (PESA) was performed in compliance with the IDOT-ISGS PESA Manual (Erdmann et al., 2014) and not with the All Appropriate Inquiries environmental assessment standard (40 CFR Part 312) that took effect on November 1, 2006, or with the ASTM standard E1527-05 or E1527-13.

GEOLOGY

Bedrock geology. The topmost bedrock unit in the project area has been mapped as undifferentiated rocks of Silurian age, which in this area consist primarily of limestones and dolomites.

Surficial geology. Surficial deposits in the projected area from the western project limit to DeGroate Road have been mapped as between 8 and 15 m (25 and 50 ft) thick. In the project area from DeGroate Road to the northern project limit, surficial deposits have been mapped as less than 8 m (25 ft) thick. Surficial deposits in the project area from the western project limit to DeGroate Road consist of 6 to 15 m (20 to 50 ft) of silty and clayey deposits of the Wedron Group, underlain by Silurian and Devonian dolomite. Bedrock may be within 6 m (20 ft) in this area. In the project area from DeGroate Road to the north side of Hickory Creek, surficial deposits consist of 0 to 6 m

(0 to 20 ft) of sands, silts, and clays of the Cahokia Formation, underlain by 0 to 6 m (0 to 20 ft) of sands and gravels of the Henry formation, 0 to 6 m (0 to 20 ft) of silty and clayey deposits of the Wedron Group, and Silurian and Devonian dolomite. Bedrock may be within 6 to 15 m (20 to 50 ft) in this area. In the project area from the north side of Hickory Creek to the northern project limit, surficial deposits consist of 6 to 15 m (20 to 50 ft) of silty and clayey deposits of the Wedron Group.

Soils. Along the project ROW, the NRCS has classified the Ashkum silty clay loam, 0-2% slopes as predominantly hydric. None of the soils along the project ROW have been classified as non-prime farmland soils by the NRCS.

HYDROGEOLOGY

Drainage direction. In the project area south of Hickory Creek, surficial drainage is generally northward, in the direction of Hickory Creek. In the project area north of Hickory Creek, surficial drainage is generally southward, in the direction of Hickory Creek. However, since the project area is urbanized and storm drains and sewers are present, most surficial runoff will be controlled by the storm sewer system; such systems typically are designed to follow natural drainage patterns.

Neither the near-surface nor the shallow unconfined groundwater flow direction was specifically determined for this project, but they generally mimic local topography.

Wellhead protection areas. This project crosses a wellhead protection recharge area for a public well for the Village of New Lenox. The wellhead protection area is crossed by US 30 approximately at station 302+00 RT and LT.

Surficial public water supplies. The proposed project is not likely to impact surficial public water supplies.

Groundwater recharge. The project area is located in Zone 1, 3, 5, and 6 for groundwater recharge potential, where Zone 1 indicates the highest potential for groundwater recharge and Zone 7 indicates the lowest potential as mapped by Keefer and Berg (1990). Groundwater recharge potential information is provided for a general regional perspective only, as this map was prepared at a scale of 1:1,000,000 and is not applicable on a site-specific basis.

According to the USEPA's list of designated sole-source aquifers, there are no sole-source aquifers in Illinois as defined by Section 1424(E) of the Safe Drinking Water Act, and so the proposed project will not affect any such aquifers in Illinois

Groundwater protection areas. A public water well serving the Village of New Lenox is located approximately 305 m (1,000 ft) southwest of the project ROW. However, since no IDOT facilities exist or are planned for this project, there should be no impact on the 305-meter (1,000-foot) setback zone around this well as determined by the IEPA Division of Public Water Supplies.

Potential for contamination of shallow aquifers. The project area is located in Zones AX, C1, and E, according to the map "Potential for contamination of shallow aquifers from land burial of municipal wastes" (Berg et al., 1984). Zone AX is described as alluvium, a mixture of gravel, sand, silt, and clay along streams, variable in composition and thickness. Zone C1 is described as

permeable bedrock within 6 to 15 m (20 to 50 ft) of the surface, overlain by till or other fine grained materials. Zone E is described as uniform, relatively impermeable silty or clayey till at least 15 m (50 ft) thick; no evidence of interbedded sand and gravel. Zones A indicate the highest potential for contamination and Zone G the lowest. This information is provided for a general regional perspective only, as the map was prepared at a scale of 1:500,000 and is not applicable on a site-specific basis. No borings were made to a depth of 15.2 m (50 ft) to verify the geology of this site.

Well information. ISGS well records indicate that water in the project area is obtained from limestone at depths ranging from 37 to 69 m (120 to 225 ft) below the surface. The general locations of these wells area as follows below:

- One private well located approximately 50 m (165 ft) south of the project ROW within Site 1628V2-4.
- One private well located approximately 96 m (315 ft) east of S. Gougar Road within Site 1628V2-1.
- One private well located approximately 295 m (970 ft) east of S. Gougar Road within Site 1628V2-1.
- One private well located approximately 33 m (110 ft) east of the project ROW within Site 1628V2-23.
- One private well located approximately 17 m (55 ft) southwest of the project ROW within Site 1628V2-29.
- One private well located approximately 15 m (50 ft) south of US 30 within Site 1628V2-1.
- One private well located approximately 53 m (175 ft) east of the project ROW east of Site 1628V2-33.
- One private well located approximately 15 m (50 ft) west of the project ROW within Site 1628V2-37.

Other wells not in the ISGS database may be present near the project area.

NATURAL FEATURES AND HAZARDS

Wetlands. According to National Wetlands Inventory maps, three wetlands have been mapped in the project area. One palustrine wetland has been mapped within Sites 1628V2-35 and 1628V2-37, and two riverine wetlands have been mapped within Sites 1628V2-32 and 1628V2-35. These wetlands maps were defined primarily by aerial photographs, which may reflect conditions specific to the year or season that the photography was completed. Therefore, wetlands areas may be either overstated or missing entirely.

Flood areas. According to Flood Insurance Rate maps, I-80 crosses the Special Flood Hazard Areas (land area subject to inundation by a flood that has a 1% probability of being equaled or

exceeded in any given year) of Hickory Creek between the following stations: 620+00 and 624+00, 665+00 and 668+00, 675+00 and 712+00. US 30 also crosses the Special Flood Hazard Area of Hickory Creek between stations 309+00 and 311+00. Flooding, standing water, and saturated soils may be encountered in these areas, particularly during periods of high or extended rainfall or spring snowmelt.

No other observed or known natural hazards were identified for this project.

PROJECT SITES

The project area is primarily under commercial and residential use. Sites will be described from west to east along I-80 below. Attachment 1 contains a project location map. Attachment 2 contains maps of all sites discussed in this report. Attachment 3 contains a map of Site 1628V-A showing a soil VOC plume. Attachment 4 contains a map of Site 1628V2-B showing a PCE plume. The versions of the OSFM's UST database, IEPA's LUST database, IEPA's Bureau of Land database, and USEPA's CERCLIS database utilized for this report were dated September 17, 2014, September 15, 2014, September 17, 2014, and November 12, 2013, respectively. OSFM files were received on June 20, 2014. IEPA files were received on June 30, 2014 and August 21, 2014, and September 12, 2014. No USEPA files were reviewed for this project. Fieldwork for this project was conducted on August 11, 2014.

This project intersects previous ISGS PESAs and PSIs as follows.

ISGS PESA #	Date submitted to IDOT	Intersects	PSI
689/A	February 16, 1995	Along I-80 from US 30 to the northern project limit	None
1248	November 20, 2000	Along I-80 throughout the entire project	None
1628	August 11, 2006	Along I-80 from Old Plank Road Trail to the northern project limit	None
1628A/V	December 30, 2009	Throughout the entire project	Andrews Engineering #3, work order #030
2233	December 2, 2010	Along I-80 from the western project limit to east of Hickory Creek	None
2233V	February 27, 2014	Along I-80 from the western project limit to east of Hickory Creek	None

Information from these earlier PESAs and PSI will be summarized in geographic order below.

Site 1628V2-23 (689-2, 1628-12, 1628-13, 1628A/V-113, 2233-242, 2233V-288). IDOT New Lenox Maintenance Facility and Sign Shop, 1350 W. Maple Street, New Lenox (southeast quadrant of the I-80 and US 30 interchange; approximate I-80 station 665+75 RT; Attachment 2, page 4). This site is occupied by two IDOT maintenance facilities: New Lenox Maintenance Facility (MF #136) and New Lenox Sign Shop facility (MF #124). This site consists of two large sheet-metal buildings and gravel parking lots used for equipment and material storage. A vehicle maintenance and storage area, a salt dome, and wash and fueling stations were observed. Also observed were two USTs and a two fuel dispensers located approximately 21 m (70 ft) south of the centerline of DeGroate Road and 15 m (50 ft) east of the eastern building. Two vent pipes were observed in the UST area. Mounds of soil, rubble, gravel, asphalt millings, and construction debris were observed on the southeast corner of the site. A large AST containing brine was observed near the southeast corner of the eastern building. An additional AST with unknown contents was

observed next to the brine AST. Eleven 208-liter (55-gallon) drums with unknown contents were observed near the southeast corner of the site. A propane AST was observed along the west side of the eastern building. Three pole-mounted transformers were observed near the north corner of the paint shop. A third pole-mounted transformer was also observed near the northeast corner of the site at its entrance. During fieldwork for ISGS #689 in 1994, several pallets of drums were observed in a graveled area near the sign shop. One of the drums was labeled "waste xylene." A puddle of water exhibiting a sheen and strong chemical odors were also observed in this area. This area was located approximately 15 m (50 ft) south of the edge of the I-80 ROW. During fieldwork for ISGS #1628 in 2006, four 208-liter (55-gallon) drums were observed on the portion of the property utilized by the sign shop. No chemical odors or water exhibiting sheen was observed during current fieldwork for this project.

The following information has been modified from ISGS #2233:

> Plat maps showed individual use for this site from 1862 to 1966. Plat maps showed State of Illinois ownership at this location in 1972 and subsequent years. Aerial photographs from 1938 through 1967 showed this site as agricultural in use. Aerial photographs from 1968 showed the current large sheet-metal building with the remainder of the site under agricultural use. Aerial photographs from 1973 and later showed this site in its current configuration. No listings were found in city directories for this site.

Under the name “IDOT New Lenox Maintenance Yard” and the address “1400 West Maple Street”, this site appears on the UST list (OSFM #2012034) with four registered USTs.

The following information was taken form ISGS #2233V:

> According to the OSFM UST records, one diesel UST and one gasoline UST were installed at this site in 1974 and removed in July 1995. The tanks were replaced with a 37,854-liter (10,000-gallon) diesel UST and a 18,927-liter (5,000-gallon) gasoline UST in November 1995.

No further information was available in updated OSFM records regarding OSFM #2012034. See above for UST locations.

Under the name “ILDOT New Lenox Team Section” and the address “SE Frontage RD of I80 And US30", this site appears on the RCRA list (USEPA #ILD984891168). Under the name “IDOT New Lenox Headquarters” and at the address of “SE Frontage Rd”, this site appears on the BOL list (IEPA #1970705023). According to IEPA files, in June 1992, IDOT New Lenox Team Section registered with USEPA and IEPA as a generator of less than 100 kg/mo (220 lbs/mo) of spent non-hologenated solvents, corrosive wastes, and ignitable wastes. No further information was available in IEPA files regarding IEPA #1970705023.

Under the name “New Lenox Sign Shop” and the address “I 80 And Rte 30", this site appears on the RCRA list (USEPA #ILD982210296). Under the name “IDOT New Lenox Sign Shop” and the address “I-80 & Rte 30", this site appears on the BOL list (IEPA #1970705009). According to IEPA files, in July 1987, New Lenox Sign Shop registered with USEPA and IEPA as a generator of less than 100 kg/mo (220 lbs/mo) of ignitable wastes and spent non-halogenated solvents including waste xylene, traffic paint, and other paint-related waste. No further information was available in IEPA files regarding IEPA #1970705009.

Under the name “IDOT” and the address “1400 W Maple”, this site appears on the BOL list (IEPA #1970705114). According to IEPA files, in February 2011, this site registered with IEPA as a waste tire generator. No further information was available in IEPA files regarding IEPA #1970705114.

In six boreholes completed at this site for ISGS #689 in 1994, no VOCs significantly above background levels were detected. See ISGS #689 for details. In four boreholes completed at this site for ISGS #1628 in 2006, no VOCs significantly above background levels were detected. In two boreholes, lead exceeded background levels. See ISGS #1628 for details.

Road salt containing ferric ferrocyanide may currently or may previously have been used at this maintenance facility. Ferric ferrocyanide has the potential to break down into free cyanide under certain conditions.

No visual evidence of stressed vegetation, pits or depressions, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, pipelines, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on August 11, 2014.

The following data gaps were identified at this site:

- The contents of one of the ASTs observed at this site are unknown.
- The contents of the drums observed at this site are unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in these buildings.

The following RECs were identified at this site: USTs; ASTs; drums; former drums; evidence of chemical use; road salt; metals detected in previous ISGS testing.

The following de minimis conditions were identified at this site: Transformers; mounding; potential ACM and lead paint.

ENDORSEMENTS

Project Manager:  **Date:** September 19, 2014

Allen Cooksey

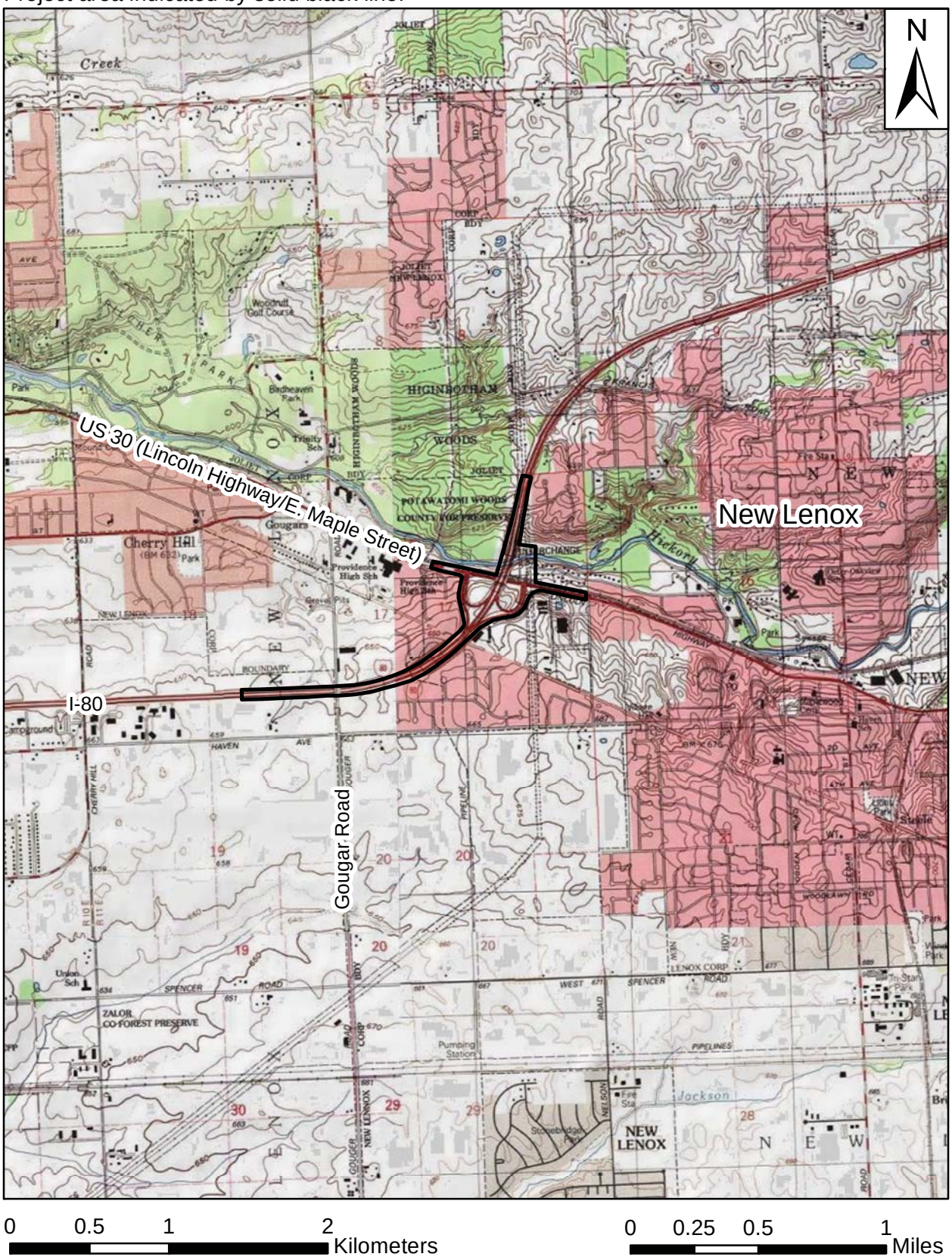
Approved:  **Date:** September 19, 2014

Gregory A. Kientop

LIST OF ATTACHMENTS

1. Project location map, ISGS #1628V2.
2. Site location map (7 pages).
3. Site 1628V2-A. Soil VOC plume map.
4. Site 1628V2-B. Soil PCE plume map.

Attachment 1. Project location map, ISGS #1628V2.
Project area indicated by solid black line.



Attachment 2, page 4. Site location map, Sites 1628V2-1 and Site 1628V2-23 through 1628V2-28.
All site boundaries are approximate and should not be used as actual parcel boundaries.